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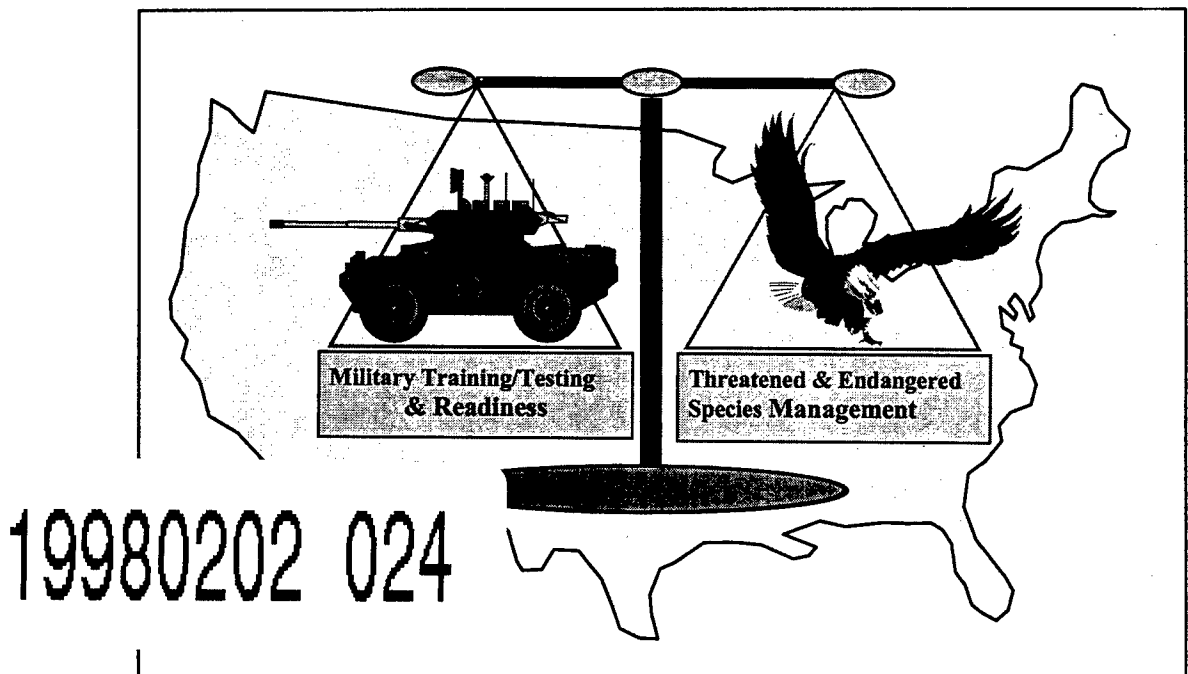
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Threatened and Endangered Species on Army Installations: A MACOM Report

by

Eric R. Schreiber, Rachel A. Shaw, and Alison Hill



In November of 1996, the Army conducted a survey of the Threatened and Endangered species residing on and contiguous to its lands. Some 201 installations responded to the survey. The information gathered was intended for use by Army Headquarters, Major Commands, and installations. This document is one of three technical reports based on the 1996 survey data.

Information in this report has been structured to provide an effective means of cross-referencing species information with installation information. Installation profiles, specifying MACOM, county,

point-of-contact, and a listing of all onsite and contiguous species by category, are presented for each of the 201 installations. The profiles indicate the status of the installation's species in the following topic areas: (1) critical habitat, (2) biological assessments, (3) endangered species management plans, (4) restrictions/impacts, and (5) expenditures. Detailed information on management topics are located in the appendix tables. The appendices also provide a quick way for installations to locate other installations with similar species and/or management concerns.

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Information in this report has been structured to provide an effective means of cross-referencing species information with installation information. Installation profiles, specifying MACOM, county, point-of-contact, and a listing of all onsite and contiguous species by category, are presented for each of the 201 installations. The profiles indicate the status of the installation's species in the following topic areas: (1) critical habitat, (2) biological assessments, (3) endangered species management plans, (4) restrictions/impacts, and (5) expenditures. Detailed information on management topics are located in the appendix tables. The appendices also provide a quick way for installations to locate other installations with similar species and/or management concerns.

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Foreword

This study was conducted for the U.S. Army Environmental Center (AEC) and the Office of the Directorate of Environmental Programs (ODEP), Assistant Chief of Staff for Installation Management (ACSIM) under Military Interdepartmental Purchase Request (MIPR) No. 3176, Work Unit ND6, "1996 TES Survey, Phase 1: Survey Development and Administration" and MIPR No. 2357, Work Unit KG7, "1996 TES Survey, Phase 2: Analysis and Reporting." The technical monitor was Scott Belfit, SFIM-AEC-EN.

The work was performed by the Natural Resource Assessment and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). The USACERL principal investigator was Alison Hill. Dr. William D. Severinghaus is Operations Chief, CECER-LL. The USACERL technical editor was Gloria J. Wienke, Technical Resources.

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1 Introduction

Background

The Army is required to protect state and Federally listed Threatened and Endangered (T&E) species on its lands (Army Regulation [AR] 420-74 1989). This requirement can have a direct effect on land use and management. The presence of T&E species can: (1) limit land uses, including training activities, (2) result in direct conflicts with the military mission, (3) require added financial and personnel resources to take affirmative action on behalf of listed species, and (4) involve state and Federal wildlife agencies in Army land use decision-making (Tazik et al. 1991).

Even though the presence of T&E species can affect the military mission, the Army's stated vision for the conservation of T&E species is that:

The Army will be a national leader in proactive conservation of threatened and endangered species and the ecosystems upon which they depend as an integral part of our mission.

This vision statement clearly indicates the Army's leadership commitment in the protection of T&E species on military lands. However, with the continuing increase in the number of listed species, the Army will likely have additional species to contend with. To meet military objectives, the Army must first know what species occur on their lands, and then look at ways to lessen potential problems (Shaw and Hill 1996).

Objectives

The objectives of this research were to:

- summarize available T&E species information from the 1996 TES survey,
- alert Headquarters, Department of the Army (HQDA) and Major Commands (MACOMs) to potential problems on Army lands, and
- provide an Army-wide source of comparative information.

Approach

The project consisted of two phases. Phase One was to develop a T&E survey. Phase Two was to administer the survey and conduct analysis and reporting.

Phase One: Development of the Survey Instrument. The 10-month development process required substantial collaboration with the T&E Species Users Group, an advisory group consisting of members of ODEP, Army Major Commands (MACOMs), AEC, and the Office of the Deputy Chief of Staff for Operations and Plans (ODSCOP), and consultation with University of Illinois survey research experts. This phase required soliciting ideas and questions, facilitating discussions about the wording of the questions, coordinating the review of revisions, and pretesting by potential survey recipients.

Phase Two: Administration, Analysis, and Reporting. In November 1996, ODEP directed the MACOM Commanders to distribute the survey instructions and instrument, a glossary, a listing of species from the Federal Register, and a reference listing of species reported previously on installations. The packet was forwarded to installations, with a 45-day suspense. An accompanying memorandum suggested installation recipients assemble a team to fill out the survey. These key individuals might included personnel from the Directorate of Public Works (DPW) or equivalent, the Directorate of Plans and Training Mission (DPTM) or equivalent, and the Judge Advocate General (JAG) or compliance office that handle T&E issues.

A survey package went to all Army installations with the potential for T&E species. Installations were asked about their Federally Threatened, Endangered, Proposed, and Candidate (TEPC) species known to reside on, or contiguous to, the installation. The survey consisted of approximately 50 questions. Questions asked for: (1) T&E management and compliance concerns, (2) training and testing restrictions/impacts due to T&E species, and (3) points-of-contact. The results, from a total of 201 installations Army-wide, are included in this report.

In February 1997, the TES User's Group met to provide input into the priorities for data analysis and data summaries. A preliminary report went to major stakeholders prior to Congressional hearings.

Scope

This report provides the 1996 overview of the T&E species on Army installations and includes data from 10 MACOMS.

Mode of Technology Transfer

Headquarters, Department of the Army (HQDA) and MACOMS were provided raw data resulting from this survey. This report provides MACOMS with summary TES information for future reference.

Updating of Data

The data is current as of January 10, 1997. Any incorrect species, misidentifications, and new species not known at the time of the survey administration, will not be added, but will become part of the 1997 survey.

This report is the second of a series of three, with the intended audience being the MACOMs. The first report, titled *The 1996 Survey of Threatened and Endangered Species on Army Lands: A Summary Report* (Shaw, Schreiber, and Hill 1997), provides HQDA and MACOM summaries based on survey responses. The third report, titled *Installation Summaries from the 1996 Survey of Threatened and Endangered Species on Army Lands* (Schreiber et al. 1997), provides the installation with species summaries, and includes information on critical habitat and endangered species management plans (ESMPs).

2 Definitions

Several acronyms and terms are used consistently throughout this document. These terms are defined below:

Biological Assessment — Biological Assessments includes both biological evaluations and biological assessments. An assessment is not complete until the findings are coordinated with and concurred by the USFWS or NMFS.

Category — Species are divided in the following categories:

AMP = amphibian	BIR = bird	CLA = clam
CRU = crustacean	FIS = fish	INS = insect
MAM = mammal	PLA = plant	REP = reptile
SNA = snail	INV = other invertebrate	

Distinct Species — The term distinct species is synonymous with the term unique species. For example, the bald eagle is considered as one distinct or unique species, regardless of the number of installations on which it occurs. Distinct species may be calculated Army-wide, or within individual MACOMs. In either case, a particular species is counted only once.

- E — Federally Endangered
- T — Federally Threatened
- PE — Federally Proposed as Endangered
- PT — Federally Proposed as Threatened
- C — Candidate species for Federal listing

Impact — An impact is the effect a training or testing restriction has on the ability of a unit to train tasks to doctrinal standard or the alterations that a unit must accomplish to overcome the training restrictions in order to conduct a training event on the installation.

Installation — The term installation includes active military installations, state National Guard Bureau (NGB) offices, NGB training sites, and regional support centers for the Army Reserve. Analyses in this report do not make a distinction between these types of locations. In some cases it was difficult to define "installation" data because

some NGB state offices, for example, reported on a state-wide basis, while others reported for each training site in the state.

Occurrence — An occurrence is a record of a species. A record refers to each time a species is recorded as being present on an installation and is also synonymous with the term record in terms of the database. For example, if a bald eagle occurs on five installations it is recorded as five occurrences.

Restriction — A restriction is defined as any limitation on mission training events or testing activities due to a legally binding requirement to protect the species. Examples of such requirements include Biological Opinions, endangered species management plans (ESMPs), memoranda of agreements or understanding, conservation agreements, and installation policies. Each restriction record relates to one restriction for one species on a particular installation. Multiple restrictions for a given species are possible.

S/A — Similarity of Appearance. Certain species that closely resemble T&E species may be given the Federal status of the species they resemble. Similarity of appearance species are denoted with a T(S/A) or E(S/A). However, no distinction is made between S/A species and other T&E species.

Species Location

Both — Species known to both onsite and contiguous to the installation.

Contiguous — Species known to occupy, or otherwise use, habitat adjacent to an installation, which may be affected by installation military activities and land management practices.

Onsite — Species that have been documented within the boundaries of the installation.

T&E — The term T&E includes only Threatened and Endangered species. These two statuses include S/A species.

TEP — The term TEP includes all Federally Threatened, Endangered, Proposed Threatened, and Proposed Endangered species on Army lands but does not include Candidate species.

TEPC — The term TEPC includes all Federally Threatened, Endangered, Proposed Threatened, Proposed Endangered, and Candidate species on Army lands. Subsequent analyses that use the term TEPC refer to the status of all species.

3 Using the Information

Each of the 201 responding installations has a profile page, specifying MACOM, county, point-of-contact, and a listing of all onsite and contiguous species, by category. The profile gives the status of the installation's species in the following topic areas:

- Critical Habitat
- Biological Assessments (only Jeopardy Opinions will be stated)
- Endangered Species Management Plans (ESMPs)
- Restrictions/Impacts
- Total Expenditures

All pertinent information could not be included in the profile page, so in some cases the reader must refer to corresponding Appendix tables to obtain more complete information. Some installations will have species with one or more topic areas, while others may have no designated topic areas. The appendix topic areas include the following:

- Appendix A – Species list with installations
- Appendix B – Critical Habitat
- Appendix C – Biological Assessments
- Appendix D – Endangered Species Management Plans
- Appendix E – Restrictions/Impacts
- Appendix F – Total Expenditures

The appendices are presented two ways. Appendix B-1, for example focuses on the species; Appendix B-2 focuses on the installation. By presenting information both ways, the reader can easily cross-reference the information from each of the major topic areas. This provides an easy mechanism for comparing installations and obtaining a point-of-contact for gathering additional information on species of interest.

For an example on effectively using this document, follow an excerpt on the Vernal Pool Fairy Shrimp (*Branchinecta lynchi*) from the Fort Hunter Liggett profile page.

Fort Hunter Liggett

USARC

County: Monterey, California**POC:** Liz Clark

P.O. Box 7090, Fort Hunter Liggett, CA 93928-7090

Attn: AFRC-EMH-ENV (408) 386-2791

ONSITE**Amphibians**Arroyo Southwestern Toad, *Bufo microscaphus californicus* (E) ESMP Expenditures**Crustaceans**Vernal Pool Fairy Shrimp, *Branchinecta lynchi* (T) ESMP Restrictions Expenditures**Plants**Purple Amole, *Chlorogalum purpureum* var. *purpureum* (C) Restrictions

The Shrimp has information on three major topic areas: ESMPs, Restrictions, and Expenditures. To get more details on these topic areas, the reader should refer to the Appendix tables. For example, to determine the ESMP status of the Shrimp (i.e., completed or in preparation), and see if other installations have this particular species, the reader must refer to Appendix D-1. If the reader is interested in knowing if Hunter Liggett has other species for which an ESMP was done, refer to Appendix D-2. By referring to Appendix D-2, the reader can see that three additional species also had an ESMP that was completed or in preparation.

The same logic is applied when looking up information for Critical Habitat (Appendix B-1 and B-2), Biological Assessments (Appendix C-1 and C-2), Restrictions (Appendix E), and Expenditures (Appendix F-1 and F-2).

4 Summary Information

Installation Information

A total of 201 installations responded to the 1996 T&E species survey. Twenty-two percent of the surveys were returned by the suspense date, mid-January 1997. The remainder of the surveys were returned within 1 month of suspense date (Shaw, Schreiber, and Hill 1997). Of the 201 installations, 105 (52%) have one or more TEPC species, 84 (42%) have no TEPC species, and 12 (6%) have only contiguous species. The 105 installations with one or more onsite TEPC species included 100 installations (95%) with distinct onsite T&E species (Schreiber et al. 1997). Ten MACOMs were represented, two of which (NGB and AMC) accounted for 64% of the responses (Shaw, Schreiber, and Hill 1997).

Species Information

Twenty-five percent of species reported by the installations were not within the scope of the survey; that is, they were not TEPC species as defined by the current Federal Register, and thus were removed.

A total of 248 distinct TEPC species (523 occurrences) were identified on 117 (58%)¹ of the installations surveyed. The 248 TEPC species include: 147 Onsite and Contiguous species, 54 Onsite² species, and 47 Contiguous species. Divided by Federal Status, there were: 159 Endangered, 35 Threatened, 31 Proposed Endangered, 2 Proposed Threatened, and 21 Candidate species (Figure 1). By Category, there were: 134 plants, 38 birds, 17 snails, 13 reptiles, 12 fish and mammals, 8 clams, 7 insects, 5 amphibians, and 2 crustaceans (Figure 2) (see Shaw, Schreiber, and Hill 1997 for more detail).

¹ This number includes 105 installations with onsite TEPC species and 12 installations with strictly contiguous TEPC species.

² It should be noted that some species listed as onsite may also occur contiguous to the installation.

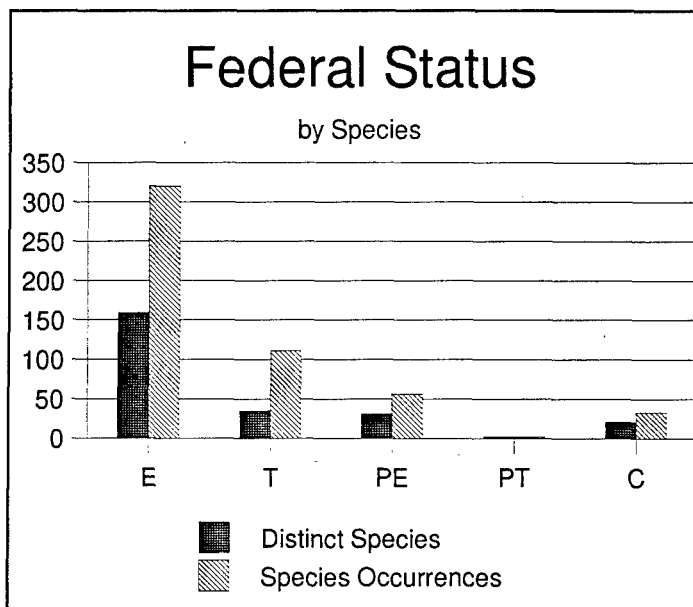


Figure 1. Federal status, by distinct species and species occurrences, for all species combined.

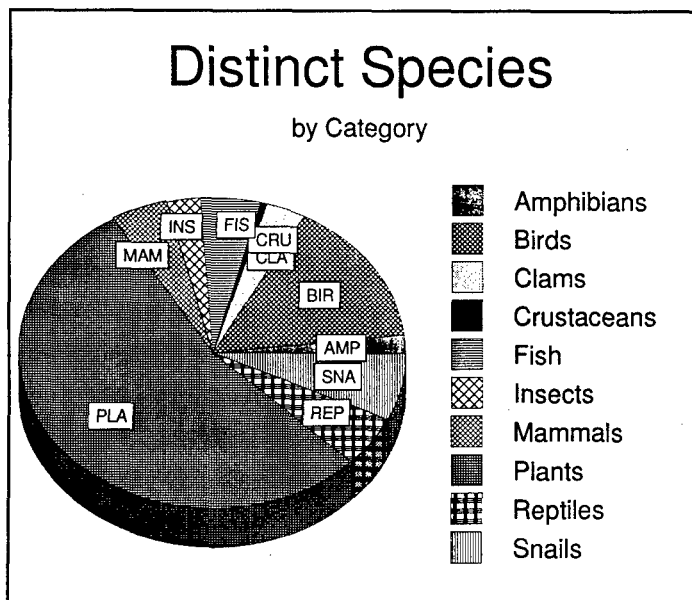


Figure 2. Distinct species, by category, for all species combined.

Of the 199 TEPC species that were listed as occurring Onsite, 63% were Endangered, 15% were Proposed Endangered, 13% were Threatened, 9% were Candidates, and <1% were Proposed Threatened. Divided by category, 58% of the Onsite TEPC species were plants, 17% were birds, 7% were snails, 5% were mammals, 4% were reptiles, 3% were insects and fish, 2% were amphibians, 1% or less were crustaceans and clams. There were also 90 TEPC species listed as occurring Contiguous to the installation: 67% were Endangered, 16% were Threatened, 9% were Candidates, 8% were Proposed Endangered, and 1% were Proposed Threatened. Divided by category, 37% of the Contiguous TEPC species were plants, 24% were birds, 10% were fish, 8% were clams, 6% were mammals and reptiles, 4% were snails, 3% were insects, and 2% were amphibians.

Critical Habitat

Installations reported 21 distinct T&E species (32 occurrences) as having critical habitat (Schreiber et al. 1997). However, when checked against the Federal Register, only 5 species (6 occurrences) were confirmed as having critical habitat.³ Confirmed species with critical habitat include the Mexican spotted owl (Camp Navajo and Fort Huachuca), northern spotted owl (Fort Lewis), palila (Pohakuloa), desert tortoise (Fort Irwin), and the Oregon silverspot butterfly (Camp Rilea).

Assessments, Findings, and Opinions

Biological Assessments

The 323 onsite T&E species occurrences⁴ include: 215 occurrences with no assessments, 96 occurrences with a completed assessment, and 12 occurrences with no response. The 96 onsite T&E species occurrences with assessments are actually 55 distinct species, and account for 309 individual assessments. However, 145 of the total 309 assessments (47%) were from four species on Fort Bragg. In addition to onsite T&E species occurrences, there were also 107 contiguous T&E species occurrences. Contiguous species occurrences include: 88 occurrences with no assessments and 19 occurrences with a completed assessment. The 19 contiguous T&E species occurrences with assessments are actually 16 distinct species, and account for 21 individual assessments.

³ Unconfirmed records were changed in the database to reflect the status reported in the Federal Register.

⁴ Two distinct species, the Northern Spotted Owl (Fort Lewis) and the Florida Panther (Camp Blanding) were included as onsite. Therefore a total of 323 species occurrences are listed as occurring onsite for this report versus 321 species occurrences in Shaw, Schreiber, and Hill 1997. This will also lead to minor discrepancies in the number of biological assessments, findings, biological opinions, endangered species management plans, expenditures, and restrictions when referring back to Shaw, Schreiber, and Hill 1997.

Findings

May affect/No affect

The Army completed 309 individual assessments for onsite T&E species; of these, 71% resulted in a "no affect" finding, 18% resulted in a "may affect" finding. One installation, Fort Bragg, reported 47% of the 309 individual assessments and 20% of the 56 "may affect" findings. There were also 35 assessments for which installations did not provide information on no affect/may affect determinations. The Army also completed 21 individual assessments for contiguous T&E species; of these, 52% resulted in a "no affect" finding, and 10% resulted in a "may affect" finding. There were also 6 assessments for which the installation did not provide information on no affect/may affect determinations.

Both positive and negative effects of a planned action apply when making a "may affect" determination requiring the initiation of formal consultation with the FWS. Some respondents indicated confusion on the time frame of this question. Since the time frame was not stated, it was unclear whether the question asked about fiscal year 1996, calendar year 1996, recent history, or as far back as the installations records go. The phrasing indicated an interest in knowing about assessments used to "assist the consultation process with the FWS," so many respondents used this qualifier in determining the number of assessments.

Biological Opinions

Jeopardy/Non-Jeopardy

Of the Army's 96 formal consultations for onsite T&E species, 79% resulted in non-jeopardy biological opinions, and 21% resulted in jeopardy biological opinions. The 20 formal consultations that resulted in jeopardy biological opinions were from 9 distinct species and occurred on 7 installations. The Army also had 1 formal consultation for a contiguous species, the red-cockaded woodpecker, which occurred on Camp Beauregard.

Endangered Species Management Plans

Of the 393 onsite Federal TEPC species occurrences, only 371 were considered "eligible" to have an endangered species management plan (ESMP). The term "eligible" refers to Federally Threatened, Endangered, and Proposed (TEP) species, and assumes that Candidate species should not have an ESMP. Of the 371 "eligible" onsite TEP species occurrences, 59% have an ESMP that is currently under preparation or in process, 28%

have not yet had an ESMP initiated, 10% have a completed ESMP, and 4% had no response. The Army also has 46 "eligible" contiguous TEP species occurrences: 87% have an ESMP that is currently under preparation or in process, and 13% have a completed ESMP.

Total Expenditures

A total of \$9,476K was spent for onsite T&E species (\$8,270K for Endangered species and \$1,206K for Threatened species). Divided by category, expenditures for onsite species include: \$7,503K for birds, \$618K for plants, \$506K for reptiles, \$459K for mammals, \$280K for insects, \$97K for crustaceans, \$10K for fish, \$3K for amphibians, and <\$1K for clams (Shaw, Schreiber, and Hill 1997). An additional \$130K was spent for contiguous T&E species (\$113K for Endangered species and \$17K for Threatened species). Divided by category, expenditures for contiguous species included: \$81K for birds, \$31K for mammals, \$10K for fish, and \$8K for plants (Shaw, Schreiber, and Hill 1997).

Expenditures are reportable to the FWS according to its "Supplemental Guidance for Reporting Expenditures for the Conservation of Endangered and Threatened Species."

Restrictions

The Army reported a total of 45 onsite and contiguous TEPC species (230 records) with restrictions (Shaw, Schreiber, and Hill 1997). Of the 230 restriction records, 225 were for onsite species, while 5 applied to contiguous only species. The majority of these restrictions, 87%, applied to training, while 13% applied to testing, and <1% did not have a designation.

Fort Bragg reported five species causing restrictions, but failed to provide additional information about the restrictions. Four of these species were not reported by other installations as causing restrictions, so if these were added, the total would be 49 species. In Fiscal Year 1995, Fort Bragg reported a total of 55 restriction records, 76% of which were due to the red-cockaded woodpecker, and 24% from unspecified Endangered plants (Shaw, Schreiber, and Hill 1997). Complete data from Fort Bragg for Fiscal Year 1996 would undoubtedly increase the restrictions results.

5 Installation Profiles

Aahoaka and Wailua River LTA, HI-ARNG

NGB

County: Honolulu, Hawaii

POC: Melissa Dumaran Hawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265

BOTH ONSITE AND CONTIGUOUS

Birds

Newell's Townsend's (Formerly Manx) (=A'o) Shearwater, *Puffinus auricularis* (=puffinus)
newelli (T)

Mammals

Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E)

ONSITE

Birds

Hawaiian Duck, *Anas wyvilliana* (E)

Hawaiian Gallinule, *Gallinula chloropus sandvicensis* (E)

Aberdeen Proving Ground

AMC

County: Harford, Maryland

POC: James Pottie Dir. of Safety, Health, and Environment
Aberdeen Proving Ground, MD 21005-5001
Attn: STEAP-SH-ER (Mr. Pottie)
Email: jpottie@eagle.apg.army.mil (410) 671-4841

BOTH ONSITE AND CONTIGUOUS

Birds

Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

CONTIGUOUS

Birds

Peregrine Falcon, *Falco peregrinus* E(S/A)

Fish

Shortnose Sturgeon, *Acipenser brevirostrum* (E)

Maryland Darter, *Etheostoma sellare* (E)

Insects

Puritan Tiger Beetle, *Cicindela puritana* (T)

Addicks Reservoir, TX-ARNG

NGB

County: (NA) Texas**POC:** James Resner

P.O. Box 5218, TX 78763-5218 Attn: AGTX-EV

Email: jresner@worldnet.att.net (512) 465-5226

BOTH ONSITE AND CONTIGUOUS**Plants**Texas Prairie Dawn-flower (=Texas Bitterweed), *Hymenoxys texana* (E) Restrictions

Adelphi Army Research Labs

AMC

County: Charles, Maryland**POC:** Robert Wardwell

Blossom Point Road, MD 20646

Attn: AMSRL-CS-AL-FE

Email: Rwardwell@arl.mil (301) 394-1060

ONSITE**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

Alabama Army Ammunition Plant

AMC

County: (NA)**POC:** c/o Rich Clewell

U.S. Army Materiel Command

Installation and Services Activity,

Rock Island, IL 61299-7190 AMXEN-U

Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Alabama Army National Guard

NGB

County: Montgomery, Alabama**POC:** Maj. Wayne Sartwell

3711 Wm Dickinson Drive, P.O. Box 3711

AL 36109-0711 Attn: Maj. Wayne Sartwell,

Environmental Division (334) 271-7427

No Species

Anahola LTA, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa Dumaran

Hawaii Army National Guard

3949 Diamond Head Road

Honolulu, HI 96816-4495

Attn: Engineering-Environmental

Email: dumaran@hawaii.edu (808) 733-4265

BOTH ONSITE AND CONTIGUOUS**Birds**Hawaiian Duck, *Anas wyvilliana* (E)**Anniston Army Depot & Coosa River Storage Annex**

AMC

County: Calhoun, Alabama**POC:** Billy Burns

7 Frankford Ave, Anniston, AL 36201-4199

Attn: SIOAN-RK-E

Email: wfburns@anad-emh1.army.mil (205) 235-4217

BOTH ONSITE AND CONTIGUOUS**Plants**Tennessee Yellow-eyed Grass, *Xyris tennesseensis* (E) ESMP**Artemus Training Site, KY-ARNG**

NGB

County: Knox, Kentucky**POC:** Sgm Harold Disney

106 Hinkle Street, Barbourville, KY 40906

Attn: KG-EKWETS (606) 546-7838

No Species

Atterbury Reserve Forces Training Area, IN-ARNG

NGB

Counties: Johnson, Bartholomew, and Brown, Indiana**POC:** Art Howard

Bldg. 224, IN 46124-1096

Attn: MDI-FE-EN (812) 526-1249

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)

Auburn Training Site, ME-ARNG

NGB

County: Androscoggin, Maine**POC:** Maj Tim Bowman

Stevens Mill Road, Auburn, ME 04210-8903

Attn: MEARNG-DFE Email: bowman@me-ngnet.army.mil

(207) 626-4395

No Species

Badger Army Ammunition Plant

AMC

County: Sauk, Wisconsin**POC:** Douglas Rhead

2 Badger Rd; Baraboo, WI 53913, Attn: SIOBA-NR

Email: drhead@R13503S1 (608) 356-5525x379

CONTIGUOUS**Plants**Prairie Bush Clover, *Lespedeza leptostachya* (T) Restrictions

Bangor International Airport Training Site, ME-ARNG

NGB

County: Penobscot, Maine**POC:** Maj Tim Bowman

Cram Road, Bangor, ME 04411 Attn: MEARNG-DFE

Email: bowman@me-ngnet.army.mil (207) 626-4395

No Species

Bluegrass Army Depot

AMC

County: Madison, Kentucky**POC:** Billye Haslett

2091 Kingston Hwy, Richmond, KY 40475-5010

Attn: SIOBG-PW

Email: bhaslett@bluegrass-emh1.army.mil (606) 625-6669

BOTH ONSITE AND CONTIGUOUS**Plants**Running Buffalo Clover, *Trifolium stoloniferum* (E)

Camel Tracks Training Site, NM-ARNG

NGB

County: Sante Fe, New Mexico**POC:** Robert Concha

47 Bataan Boulevard, Santa Fe, NM 87505-4695

Attn: NMAG-AEN-EN (505) 474-1809

No Species

Camp Adair, OR-ARNG

NGB

County: Benton, Oregon**POC:** Greg Mitchell

Oregon Military Academy, 701 Monmouth Ave. N,
Monmouth, OR 97361-1021 Attn: AROPT-MA
Email: gregory.a.mitchell@state.or.us (503) 945-3851

No Species

Camp Ashland, NE-ARNG

NGB

County: Saunders, Nebraska**POC:** Cpt Vic Siedler

Ashland, NE 68003-9801 Attn: Training Site Manager
(402) 944-2150

No Species

Camp Barkeley, TX-ARNG

NGB

County: (NA), Texas**POC:** James Resner

P.O. Box 5218, TX 78763-5218 Attn: AGTX-EV
Email: jresner@worldnet.att.net (512) 465-5226

BOTH ONSITE AND CONTIGUOUS**Birds**

Black-capped Vireo, *Vireo atricapillus* (E) ESMP Restrictions Expenditures

Camp Beauregard, LA-ARNG

NGB

County: Rapides, Louisiana**POC:** CW2 Carl Thompson

P.O. Box 34, Camp Beauregard, Pineville, LA 71360-3737
Attn: CW2 Carl Thompson (318) 641-8309

CONTIGUOUS**Birds**

Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) Jeopardy ESMP
Restrictions Expenditures

Camp Blanding Training Site, FL-ARNG

NGB

County: Clay, Florida**POC:** Dr. Philip M. Hall

Rt.1, Box 465, Bldg. 3018, Starke, FL 32091-9703

Attn: ENV Email: phall@flmnh.ufl.edu (904) 533-3456

BOTH ONSITE AND CONTIGUOUS**Birds**Florida Scrub Jay, *Aphelocoma coerulescens* (=A. c. *coerulescens*) (T) ESMPBald Eagle, *Haliaeetus leucocephalus* (T) ESMPWood Stork, *Mycteria americana* (E) ESMP**Mammals**Florida Black Bear, *Ursus americanus floridanus* (C)**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A) ESMPEastern Indigo Snake, *Drymarchon corais couperi* (T) ESMP**ONSITE****Birds**Red-cockaded Woodpecker, *Picoides* (=Dendrocopos) *borealis* (E) ESMP Restrictions
Expenditures**Plants**Chapman's Rhododendron, *Rhododendron chapmanii* (E) ESMP**Mammals**Florida Panther, *Felis concolor coryi* (E)**Camp Clark, MO-ARNG**

NGB

County: Vernon, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Jefferson City,
MO 65101

Attn: NGMO-RPE-N (573) 526-9418

CONTIGUOUS**Plants**Mead's Milkweed, *Asclepias meadii* (T)

Camp Crowder, MO-ARNG

NGB

County: Newton, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Attn: NGMO-RPE-N
Jefferson City, MO 65101**BOTH ONSITE AND CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP**Mammals**Gray Bat, *Myotis grisescens* (E) ESMP**CONTIGUOUS****Fish**Ozark Cavefish, *Amblyopsis rosae* (T) ESMP ExpendituresArkansas Darter, *Etheostoma cragini* (C)**Insects**American Burying Beetle, *Nicrophorus americanus* (E)**Camp Dodge, IA-ARNG**

NGB

County: Polk, Iowa**POC:** Mary JonesBldg. B-61 2700 Nw Beaver Drive, Camp Dodge,
Johnston, IA 50131 Attn: AGIA-FAC-E (515) 252-4648

No Species

Camp Grafton, ND-ARNG

NGB

County: Ramsey, North Dakota**POC:** Maj. Gary W. YantzerRR5, Box 278A, Devils Lake, ND 58301-9235
Attn: AGND-IRE-E Email: yantzer@osiris.cos.uiuc.edu
(701) 224-5287

No Species

Camp Grafton South, ND-ARNG

NGB

County: Eddy, North Dakota**POC:** Maj. Gary W. YantzerRR5, Box 278A, Devils Lake, ND 58301-9235
Attn: AGND-IRE-E Email: yantzer@osiris.cos.uiuc.edu
(701) 224-5287**BOTH ONSITE AND CONTIGUOUS****Birds**Piping Plover, *Charadrius melodus* (T)

Camp Grayling, MI-ARNG

NGB

Counties: Crawford, Kalkaska, and Otsego, Michigan**POC:** Larry Jacobs

Bldg. 30, MI, 49739 Attn: MIAR-G-ENV

Email: ljacobs@osiris.cso.uiuc.edu (517) 348-7621x3429

BOTH ONSITE AND CONTIGUOUS**Birds**Kirtland's Warbler, *Dendroica kirtlandii* (E) ESMP RestrictionsBald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions**Plants**Houghton's Goldenrod, *Solidago houghtonii* (T) ESMP Restrictions Expenditures

Camp Gruber, OK-ARNG

NGB

County: Muskogee, Oklahoma**POC:** Nancy Davis

P.O. Box 29, Braggs, OK 74423-0029

Attn: OKCG-FE-ENV (918) 487-6223

BOTH ONSITE AND CONTIGUOUS**Insects**American Burying Beetle, *Nicrophorus americanus* (E) ESMP Expenditures

Camp Guernsey, WY-ARNG

NGB

County: Laramie, Wyoming**POC:** David Palmer

5500 Bishop Blvd., Cheyenne, WY 82009

Attn: AGWY-FMO-EEB

Email: palmerd@wy-iso.army.mil

(307) 772-5285

CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) Restrictions

Camp Joseph T. Robinson, AR-ARNG

NGB

Counties: Pulaski and Faulkner, Arkansas**POC:** Kerry Koehler

Box 5 North, Little Rock, AR 72199-9600

Attn: ARNG-FMO-E

Email: kerryw@osiris.cso.uiuc.edu (501) 212-5886

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)

Camp Maluhia LTA, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa Dumaran

Hawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265

No Species

Camp McCain, MS-ARNG

NGB

County: Hinds, Mississippi**POC:** Maj Robert A. Piazza

1410 Riverside Drive, Jackson, MS 39202
Attn: NGMS-FMO-E Email: piazzar@ngms.state.ms.us
(601) 973-6109

No Species

Camp Murray, WA-ARNG

NGB

County: Pierce, Washington**POC:** Ted Arnold

Bldg 36, Camp Murray, Tacoma, WA 98430-5054
Attn: Environmental Office
Email: arnoldt@ng.state.wa.us
(206) 512-8466

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Expenditures

Camp Navajo Military Reservation, AZ-ARNG

NGB

County: Maricopa, Arizona**POC:** Christopher D. Pedersen

5636 E. McDowell Rd., Phoenix, AZ 85008-3495
Attn: AZAA-FME (602) 267-2464

Both Onsite and Contiguous**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A) RestrictionsBald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

Mexican Spotted Owl, *Strix occidentalis lucida* (T) Critical Habitat ESMP Restrictions
Expenditures

PlantsArizona Leather Flower, *Clematis hirsutissima* var. *arizonica* (C)

Camp Rilea, OR-ARNG

NGB

County: Clatsop, Oregon**POC:** Greg Mitchell

Rt. 2, P.O.Box 497E, Warrenton, OR 97146-9711

Attn: Post CDR Email: gregory.a.mitchell@state.or.us

(503) 945-3851

ONSITE**Insect**

Oregon Silverspot Butterfly, *Speyeria zerene hippolyta* (T) Critical Habitat ESMP
Restrictions Expenditures

Camp Ripley, MN-ARNG

NGB

County: Morrison, Minnesota**POC:** Martin Skoglund

P.O. Box 150, Little Falls, MN 56345

Attn: MNAG-CRC-EN

Email: skoglunm@fmo.dma.state.mn.us (320) 632-7201

BOTH ONSITE AND CONTIGUOUS**Mammals**

Gray Wolf, *Canis lupus* (T) ESMP Expenditures

ONSITE**Birds**

Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

Camp Roberts, CA-ARNG

NGB

Counties: Monterey and San Luis Obispo, California**POC:** Julie Eliason

HQ, Camp Roberts, Camp Roberts, CA 93451-5000

Attn: CACR-EV (805) 238-8265

BOTH ONSITE AND CONTIGUOUS**Birds**

Bald Eagle, *Haliaeetus leucocephalus* (T)

Crustaceans

Vernal Pool Fairy Shrimp, *Branchinecta lynchi* (T) Restrictions Expenditures

Mammals

San Joaquin Kit Fox, *Vulpes macrotis mutica* (E) Restrictions Expenditures

Camp San Luis Obispo, CA-ARNG

NGB

County: Monterey and San Luis Obispo, California**POC:** Julie EliasonP.O. Box 8104, Camp San Luis Obispo, CA 93403-8104
(805) 238-8265**BOTH ONSITE AND CONTIGUOUS****Amphibians**California Red-legged Frog, *Rana aurora draytoni* (PE) ESMP**Plants**Chorro Creek Bog Thistle, *Cirsium fontinale var. obispoense* (E) ESMP Expenditures**ONSITE****Birds**Least Bell's Vireo, *Vireo bellii pusillus* (E) ESMP Expenditures

Camp Shelby, MS-ARNG

NGB

County: Hinds, Mississippi**POC:** Maj Robert A. Piazza

1410 Riverside Drive, Jackson, MS 39202

Attn: NGMS-FMO E Email: piazzar@ngms.state.ms.us

(601) 973-6109

BOTH ONSITE AND CONTIGUOUS**Plants**Louisiana Quillwort, *Isoetes louisianensis* (E) Restrictions Expenditures**Reptiles**Gopher Tortoise, *Gopherus polyphemus* (T) ESMP Restrictions Expenditures**CONTIGUOUS****Birds**Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) ESMP Restrictions
Expenditures

Camp Smith, NY-ARNG

NGB

County: Westchester, New York**POC:** Maj Mark Warnecke

Bldg 501, Peekskill, NY 10566-5000 Attn: MNFE-EC

Email: envny@ny-ngnet.army.mil (518) 786-4318

CONTIGUOUS**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A) ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) Expenditures**Fish**Shortnose Sturgeon, *Acipenser brevirostrum* (E)

Carlisle Barracks

TRADOC

County: (NA), Pennsylvania**POC:** c/o HQ TRADOC Ft Monroe, VA 23651 Attn: ATBO-FINNo Species

Caswell Training Site, ME-ARNG

NGB

County: Aroostook, Maine**POC:** Maj Tim Bowman Caswell Township, Caswell, ME 04750 Attn: MEARNG-DFE
Email: bowman@me-ngnet.army.mil (207) 626-4395No Species

Catoosa Training Site, TN-ARNG

NGB

County: Catoosa, Georgia**POC:** Jerry Mosley 43 Pistol Range Rd, Tunnel Hill, GA 30755-9998
Attn: Facility Manager (706) 935-4897No Species

Cedar City Armory, UT-ARNG

NGB

County: Salt Lake, Utah**POC:** Douglas Johnson 12954 South Minuteman Drive, P.O. Box 1776,
Draper, UT 84020-1777 (801) 576-3960

CONTIGUOUS

MammalsUtah Prairie Dog, *Cynomys parvidens* (T)

Central Oregon Training Site, OR-ARNG

NGB

County: Deschutes, Oregon**POC:** Greg Mitchell 875 SW Simpson Ave., Bend, OR 97702-3118
ATTN: 1-82 CAV Email: gregory.a.mitchell@state.or.us
(503) 945-3851No Species

Charles Melvin Price Support Center

AMC

County: (NA), Illinois**POC:** C/O Rich Clewell

U.S. Army Materiel Command,

Installation and Services Activity,

Rock Island, IL 61299-7192 AMXEN-M

Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Clark County Training Site, NV-ARNG

NGB

County: Clark, Nevada**POC:** Loren Brazell

2601 S. Carson St., Carson City, NV 89701

Attn: USPFO-FMO-ENV (702) 887-7276

BOTH ONSITE AND CONTIGUOUS**Birds**Southwestern Willow Flycatcher, *Empidonax traillii extimus* (E)**Reptiles**Desert Tortoise, *Gopherus agassizii* (T) Jeopardy Restrictions Expenditures

Command Readiness Center, RI-ARNG

NGB

County: Providence, Rhode Island**POC:** CW2 Harry J. Francis

645 New London Avè., Cranston, RI 02920-3097

Attn: TAGRI-ARI Email: fmori@arngrc-emh2.army.mil
(401) 457-4234No Species

Cornhusker Army Ammunition Plant

AMC

County: Hall, Nebraska**POC:** Scott Smith

102 N 60th Rd., Grand Island, NE 68803-9022

Attn: SIOSF-NR Email: ssmith2@ria-emh2.army.mil
(913) 583-3000x6964No Species

Delaware Army National Guard

NGB

County: New Castle, Kent, and Sussex, Delaware**POC:** Cpt Scott RalphFacilities Management Office, First Regiment Road,
DE 19808-2191 Attn: DE-AEN-E

Email: epsde@de-ngnet.army.mil

or sralph@osiris.cso.uiuc.edu (302) 326-7132

CONTIGUOUS**Fish**Shortnose Sturgeon, *Acipenser brevirostrum* (E)**Detroit Arsenal**

AMC

County: (NA), Michigan**POC:** c/o Rich Clewell

U.S. Army Materiel Command,

Installation and Services Activity,

Rock Island, IL 61299-7190 Attn: AMXEN-M

Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Devens Reserve Forces Training Area

USARC

County: Worcester, Massachusetts**POC:** Tom Poole

DPW, Env. Div., Ft Devens, MA 01433-5190

Attn: AFRC-FMD-DPW-EM (508) 796-2747

BOTH ONSITE AND CONTIGUOUS**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A) ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) Expenditures

Dillingham Training Area

USARPAC

County: Honolulu, Hawaii**POC:** Steve Kim

U.S. Army Garrison, Schofield Barracks, HI 96857-5000

Attn: APVG-GWV (808) 656-2878x1050

BOTH ONSITE AND CONTIGUOUS**Birds**Hawaiian Duck, *Anas wyvilliana* (E) ESMPHawaiian Coot, *Fulica americana alai* (E) ESMPHawaiian Gallinule, *Gallinula chloropus sandvicensis* (E) ESMPHawaiian (=Ae`o) Stilt, *Himantopus mexicanus (=himantopus) knudseni* (E) ESMP**Mammals**Hawaiian Monk Seal, *Monachus schauinslandi* (E) ESMP**ONSITE****Plants**Pu`uka`a, *Cyperus trachysanthos* (PE) ESMPKulu'i, *Nototrichium humile* (E) ESMPMa`oli`oli, *Schiedea kealiae* (PE) ESMP**CONTIGUOUS****Plants**Ma'o Hau Hele, *Hibiscus brackenridgei ssp. mokuleianus* (E) ESMP

Dugway Proving Ground

AMC

County: Tooele, Utah**POC:** Scott Bates

Dugway Proving Ground, UT 84022

Attn: STEDP-DEP-CP

Email: sbates@dugway-emh4.army.mil (801) 831-3735

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**CONTIGUOUS****Amphibians**Spotted Frog, *Rana pretiosa* (C)**Birds**Mountain Plover, *Charadrius montanus* (C)American Peregrine Falcon, *Falco peregrinus anatum* (E)**Plants**Ute Ladies'-tresses, *Spiranthes diluvialis* (T) Expenditures

Eastern Kentucky Training Site

NGB

County: Knox, Kentucky**POC:** Sgm Harold Disney

106 Hinkle Street, Barbourville, KY 40906

Attn: KG-EKWETS (606) 546-7838

No Species

Ethan Allen Airforce Base, Training Site, VT-ARNG

NGB

County: Chittendenn, Vermont**POC:** Ltc Nye/Maj Bouchard

Bldg #5, Camp Johnson, Colchester, VT 05446-3004

Attn: VT-FE Email: envvt@vt-ngnet.army.mil

(802) 654-0300

No Species

Ethan Allen Firing Range, VT-ARNG

NGB

County: Chittenden, Vermont**POC:** Ltc Nye/Maj Bouchard

Box 57, Lee River Rd, Eafr, Jericho, VT 05465

Attn: VT-FE (Bldg #5) Email: envvt@vt-ngnet.army.mil

(802) 654-0300

No Species

Fitzsimmons Army Medical Center

MEDCOM

County: (NA), Colorado**POC:** c/o Gilbert GonzalezU.S. Army Medical Command, 2050 Worth Road, Fort Sam
Houston, TX 79234-6021 Attn: MCFA-E

Email: gilbert_gonzalez@smtplink.medcom.amedd.army.mil

(210) 221-6441

No Species

Fort A.P. Hill

MDW

County: Caroline, Virginia**POC:** Heather Mansfield

Bowling Green, VA 22427

Attn: ANAP-PWE (804) 633-8417

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP**ONSITE****Plants**Swamp Pink, *Helonias bullata* (T)Small Whorled Pogonia, *Isotria medeoloides* (T)**Fort Belvoir**

MDW

County: Fairfax, Virginia**POC:** Dorothy Keough

9820 Flagler Road, Suite 213, Fort Belvoir, VA 22060

Attn: ANFB-PWE (703) 806-4007

Email: keoughd@belvoir-ibm2.army.mil

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures**Fort Benning**

TRADOC

Counties: Chattahoochee, Muscogee, and Russell, Georgia**POC:** Randy Druckman

USAIC, DPW-NRMB, Bldg. 5884, Attn: ATZB-PWN-R

Ft Benning, GA 31905 (706) 544-7319

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions ExpendituresWood Stork, *Mycteria americana* (E) ESMP Expenditures**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A) ESMP Expenditures**ONSITE****Birds**Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) Jeopardy ESMP
Restrictions Expenditures**Plants**Relict Trillium, *Trillium reliquum* (E) ESMP Restrictions Expenditures

Fort Bliss

TRADOC

County: El Paso, Texas**POC:** Rafael D. Corral

Building 624, Fort Bliss, TX 79916 Attn: ATZC-DOE-C

Email: rafael@bliss-env1.army.mil (915) 568-6977

BOTH ONSITE AND CONTIGUOUS**Birds**Southwestern Willow Flycatcher, *Empidonax traillii extimus* (E) ESMPAmerican Peregrine Falcon, *Falco peregrinus anatum* (E) ESMPBald Eagle, *Haliaeetus leucocephalus* (T) ESMP ExpendituresMexican Spotted Owl, *Strix occidentalis lucida* (T) ESMP**Plants**Sneed Pincushion Cactus, *Coryphantha sneedii* var. *sneedii* (=Escobaria s., Mammillaria s.) (E)
ESMP Expenditures**CONTIGUOUS****Birds**Northern Aplomado Falcon, *Falco femoralis septentrionalis* (E) ESMP Expenditures**Plants**Kuenzler Hedgehog Cactus, *Echinocereus fendleri* (=Hempelii of Authors, Not Fobe) var. *kuenzleri* (E)Todsens Pennyroyal, *Hedeoma todsenii* (E)**Fort Bragg**

FORSCOM

County: Cumberland, North Carolina**POC:** Scott Bebb

Fort Bragg, NC 28307 Attn: AFZA-PW-DS

Email: bebbbs@bbs.bragg.army.mil (910) 432-5325

BOTH ONSITE AND CONTIGUOUS**Birds**Red-cockaded Woodpecker, *Picoides* (=Dendrocopos) *borealis* (E) Jeopardy ESMP
Restrictions Expenditures**Plants**Rough-leaved Loosestrife, *Lysimachia asperulaefolia* (E) Jeopardy ESMP Restrictions
ExpendituresMichaux's Sumac, *Rhus michauxii* (E) Jeopardy ESMP Restrictions ExpendituresAmerican Chaffseed, *Schwalbea americana* (E) ESMP Restrictions Expenditures**ONSITE****Insect**Saint Francis' Satyr Butterfly, *Neonympha mitchellii francisci* (E) ESMP Restrictions
Expenditures

Fort Buchanan

FORSCOM

County: (NA), Puerto Rico**POC:** Tony Perez

DPW, Bldg 556, PR 00934-5040 ATTN: Env. Off

Email: pereza@ftmcpshn-emh2.army.mil (787) 273-3508

ONSITE**Plants**Palo de Ramon, *Banara vanderbiltii* (E)Vahl Boxwood, *Buxus vahlii* (E)No Common Name, *Daphnopsis hellerana* (E)Palo de Rosa, *Ottoschulzia rhodoxylon* (E)**Reptiles**Puerto Rican Boa, *Epicrates inornatus* (E)

Fort Campbell

FORSCOM

County: Montgomery and Stewart, Tennessee; Trigg and Christian, Kentucky**POC:** Jeff Jones, Gene Zirkle

Bldg. 2159 13th Street, Fort Campbell, KY 42223

and Tom Harschbarger

Attn: AFZB-DPW-E-CN (502) 798-9825

BOTH ONSITE AND CONTIGUOUS**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A)Bald Eagle, *Haliaeetus leucocephalus* (T)**CONTIGUOUS****Clams**Dromedary Pearly Mussel, *Dromus dromas* (E)Tan Riffleshell, *Epioblasma walkeri* (E)Pink Mucket Pearlymussel, *Lampsilis abrupta* (=orbiculata) (E)Ring Pink, *Obovaria retusa* (E)Orange Footed Pearly Mussel, *Plethobasus cooperianus* (E)Rough Pigtoe, *Pleurobema plenum* (E)Winged Mapleleaf Mussel, *Quadrula fragosa* (E)**Mammals**Gray Bat, *Myotis grisescens* (E)Indiana Bat, *Myotis sodalis* (E)**Plants**Price's Potato Bean, *Apios priceana* (T)**Reptiles**Northern Copperbelly Water Snake, *Nerodia erythrogaster neglecta* (PT)

Fort Carson

FORSCOM

Counties: El Paso, Pueblo, and Fremont, Colorado**POC:** Richard Bunn (Vertebrates) HQ, Ft Carson, CO 80913-5000 AFZC-ECM

Dave Anderson (Plants)

Email: andersond@carson-emh1.ar

(719) 576-8075 (Bunn) (715) 526-4683 (Anderson)

BOTH ONSITE AND CONTIGUOUS**Birds**Mountain Plover, *Charadrius montanus* (C)American Peregrine Falcon, *Falco peregrinus anatum* (E) ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) ExpendituresMexican Spotted Owl, *Strix occidentalis lucida* (T) Expenditures**Fish**Arkansas Darter, *Etheostoma cragini* (C)**ONSITE****Fish**Greenback Cutthroat Trout, *Oncorhynchus clarki stomias* (T) Restrictions

Expenditures

PlantsUte Ladies'-tresses, *Spiranthes diluvialis* (T) Expenditures**Fort Chaffee**

TRADOC

County: Sebastian, Arkansas**POC:** Jerry Sturdy

USAG, Fort Chaffee, AR 72905

Attn: ATZR-ZF (501) 484-2883

BOTH ONSITE AND CONTIGUOUS**Insects**American Burying Beetle, *Nicrophorus americanus* (E) ESMP Restrictions Expenditures**Fort Detrick**

MEDCOM

County: (NA), Maryland**POC:** c/o Gilbert GonzalezU.S. Army Medical Command, 2050 Worth Road, Fort Sam
Houston, TX 79234-6020 Attn: MCFA-EEmail: gilbert_gonzalez@smtplink.medcom.amedd.army.mil
(210) 221-6441

No Species

Fort Dix

FORSCOM

County: (NA), New Jersey**POC:** c/o Bert Bivings

HQ Forscom, Engineers Environmental Branch, Ft
Mcperson, NJ 30330-6006 Attn: AFPI-ENE
Email: bivings@ftmcpn-emn1.army.mil
(404) 669-7659

No Species

Fort Drum

FORSCOM

County: (NA), New York**POC:** c/o Bert Bivings

HQ FORSCOM, Engineers Environmental Branch,
Ft Mcpherson, NY 30330-6007 Attn: AFPI-ENE
Email: bivings@ftmcpn-emn1.army.mil
(404) 669-7659

No Species

Fort Eustis

TRADOC

County: (NA), Virginia**POC:** Terry Sanders

Bldg. 1407, Washington Blvd, VA 23604
Attn: ATZF-PWE (757) 878-2375

BOTH ONSITE AND CONTIGUOUS**Birds**

Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP

CONTIGUOUS**Birds**

Peregrine Falcon, *Falco peregrinus* E(S/A) ESMP

Fort George G. Meade

MDW

County: Anne Arundel, Maryland**POC:** Bill Harmyer

Bldg. 239, Ross Rd and 2 1/2 Street, Fort Meade, MD
20755-5050 Attn: ANME-PW (301) 677-9648

No Species

Fort Gillem

FORSCOM

County: (NA), Georgia**POC:** c/o Bert Bivings

HQ Forscom, Engineers Environmental Branch,
Ft McPherson, GA 30330-6005 Attn: AFPI-ENE
Email: bivings@ftmcphsn-emn1.army.mil
(404) 669-7659

No Species

Fort Gordon

TRADOC

County: Richmond, Georgia**POC:** Ken Boyd

11th Ave, Bldg. 2214, Ft. Gordon, GA 30905-5040
Attn: ATZH-DIE
Email: boyd@enrmo2.gordon.army.mil
(706) 791-2403

ONSITE**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMPWood Stork, *Mycteria americana* (E) ESMP

Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) ESMP Restrictions
Expenditures

Fort Greely

USARPAC

County: (NA), Alaska**POC:** William Gossweiler

730 Quartermaster Rd., AK 99505-6500
Attn: APVR-RPW-EV (907) 384-3017

ONSITE**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)

Fort Hamilton

FORSCOM

County: (NA), New York**POC:** c/o Bert Bivings

HQ FORSCOM, Engineers Environmental Branch,
Ft McPherson, NY 30330-6002 Attn: AFPI-ENE
Email: bivings@ftmcphsn-emn1.army.mil (404) 669-7659

No Species

Fort Hood

FORSCOM

Counties: Bell and Coryell, Texas

POC: Dennis Herbert

HQ III Corps & Fort Hood, TX 76544

Attn: AFZF-PW-ENV

Email: herbertd@hood-emh3.army.mil (817) 287-2885

BOTH ONSITE AND CONTIGUOUS

BirdsGolden-cheeked Warbler, *Dendroica chrysoparia* (E) ESMP Restrictions ExpendituresPeregrine Falcon, *Falco peregrinus* E(S/A) ESMPWhooping Crane, *Grus americana* (E) ESMPBald Eagle, *Haliaeetus leucocephalus* (T) ESMP RestrictionsBlack-capped Vireo, *Vireo atricapillus* (E) ESMP Restrictions Expenditures

Fort Huachuca

TRADOC

County: Cochise, Arizona

POC: Sheridan Stone

Commander USAG, Ft Huachuca, AZ 85613-6000

Attn: ATZS-EHB (520) 533-7084

BOTH ONSITE AND CONTIGUOUS

AmphibiansNo Common Name, *Ambystoma californiense* (=A. *tigrinum* c.) (C)Ramsey Canyon Leopard Frog, *Rana subaquavocalis* (C)BirdsPeregrine Falcon, *Falco peregrinus* E(S/A)Mexican Spotted Owl, *Strix occidentalis lucida* (T) Critical Habitat Restrictions
ExpendituresMammalsLesser (=Sanborn's) Long-nosed Bat, *Leptonycteris curasoae* (=sanborni) *yerbabuenae* (E)
Restrictions ExpendituresPlantsHuachuca Water-umbel, *Lilaeopsis schaffneriana* ssp. *recurva* (PE)Blumer's Dock, *Rumex orthoneurus* (C)SnailsHuachuca Springsnail, *Pyrgulopsis thompsoni* (C)

ONSITE

PlantsLemmon Fleabane, *Erigeron lemmonii* (C)

CONTIGUOUS

BirdsSouthwestern Willow Flycatcher, *Empidonax traillii extimus* (E)

Fort Hunter Liggett

USARC

County: Monterey, California**POC:** Liz Clark

P.O. Box 7090, Fort Hunter Liggett, CA 93928-7090

Attn: AFRC-EMH-ENV (408) 386-2791

BOTH ONSITE AND CONTIGUOUS**Amphibians**No Common Name, *Ambystoma californiense* (=A. *tigrinum* c.) (C)**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E) ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions ExpendituresLeast Bell's Vireo, *Vireo bellii pusillus* (E) Expenditures**Mammals**San Joaquin Kit Fox, *Vulpes macrotis mutica* (E) Jeopardy ESMP Restrictions
Expenditures**ONSITE****Amphibians**Arroyo Southwestern Toad, *Bufo microscaphus californicus* (E) ESMP Expenditures**Crustaceans**Vernal Pool Fairy Shrimp, *Branchinecta lynchi* (T) ESMP Restrictions Expenditures**Plants**Purple Amole, *Chlorogalium purpureum* var. *purpureum* (C) Restrictions**CONTIGUOUS****Amphibians**California Red-legged Frog, *Rana aurora draytoni* (PE)**Birds**California Condor, *Gymnogyps californianus* (E) Expenditures**Fort Indiantown Gap, PA-ARNG**

NGB

County: Lebanon, Pennsylvania**POC:** Jeff OlsenPADMVA, Ft. Indiantown Gap,
Annville, PA 17003-5002

Attn: Environmental Section

Email: envpa@pa-ngnet.ngb.army.mil (717) 861-8342

No Species

Fort Irwin

FORSCOM

County: San Bernardino, California**POC:** Mickey Quillman

Directorate of Public Works

Fort Irwin, Ca 92310-105097

Attn: AFZJ-PW-EV Email: quillmam@irwin.army.mil

(619) 380-3740

BOTH ONSITE AND CONTIGUOUS**Plants**Lane Mountain Milk Vetch, *Astragalus jaegerianus* (C) Restrictions**Reptiles**Desert Tortoise, *Gopherus agassizii* (T) Critical Habitat ESMP Restrictions Expenditures**Fort Jackson**

TRADOC

County: Richland, South Carolina**POC:** Bruce Cole (Plants)

USATC & Fort Jackson, SC 29207-5670

Bill Gates (Animals)

Attn: ATZJ-PWN-NR

(803) 751-7927 (Cole) (803) 751-6856 (Gates)

ONSITE**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)Red-cockaded Woodpecker, *Picoides borealis* (E) ESMP Restrictions Expenditures**Plants**Smooth Coneflower, *Echinacea laevigata* (E) ESMP Restrictions ExpendituresRough-leaved Loosestrife, *Lysimachia asperulaefolia* (E) ESMP Expenditures**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)

Fort Knox

TRADOC

County: Hardin, Kentucky**POC:** Donald Sheroan

DPW, F&W Section, Bldg. 112,

Ft Knox, KY 40121-5000

Attn: ATZK-PWE (502) 624-7373

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP**Mammals**Indiana Bat, *Myotis sodalis* (E) ESMP Expenditures**ONSITE****Mammals**Gray Bat, *Myotis grisescens* (E) ESMP Expenditures

Fort Lee

TRADOC

County: Prince George, Virginia**POC:** Elizabeth Scholl

1816 Shop Road, Ft Lee, VA 23801-1604

Attn: ATZM EMO

Email: escholl@lee-dns1.army.mil (804) 734-3560

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

Fort Lewis

FORSCOM

Counties: Pierce and Thurston, Washington**POC:** Gary Stedman

Box 339500, WA 98433-9500 Attn: AFZH-PWQ

Email: gstedman@lewis-deh2.army.mil (206) 967-5337

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions**Plants**Water Howellia, *Howellia aquatilis* (T) ESMP Expenditures**ONSITE****Birds**Northern Spotted Owl, *Strix occidentalis caurina* (species not found on installation but Critical Habitat designated) (T) Critical Habitat ESMP**CONTIGUOUS****Amphibians**Spotted Frog, *Rana pretiosa* (C)**Fish**Bull Trout, *Salvelinus confluentus* (C)**Fort McClellan**

TRADOC

County: Calhoun, Alabama**POC:** Bill GarlandDirectorate of Environment, Bldg. 141A, 13th Ave.,
Ft. McClellan, AL 36205 ATZN-EM (205) 848-7398

Email: garlandb@mcclellan-emh2.army.mil

BOTH ONSITE AND CONTIGUOUS**Fish**Blue Shiner, *Cyprinella caerulea* (T) ESMP Restrictions Expenditures**Mammals**Gray Bat, *Myotis grisescens* (E) ESMP Expenditures**Plants**Tennessee Yellow-eyed Grass, *Xyris tennesseensis* (E) ESMP Restrictions Expenditures**ONSITE****Plants**Mohr's Barbara Buttons, *Marshallia mohrii* (T) ESMP Restrictions Expenditures**CONTIGUOUS****Birds**Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) ESMP Expenditures

Fort McCoy

USARC

County: Monroe, Wisconsin**POC:** Tim Wilder

2171 S. 8th Ave., Ft. McCoy, WI 54656-5163

Attn: AFRC-FM-PWE

Email: wildert@mccoy-emh1.army.mil

(608) 388-5679

BOTH ONSITE AND CONTIGUOUS**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A)Bald Eagle, *Haliaeetus leucocephalus* (T)**Insects**Karner Blue Butterfly, *Lycaeides melissa samuelis* (E) ESMP Restrictions Expenditures**CONTIGUOUS****Mammals**Gray Wolf, *Canis lupus* (E) Expenditures

Fort McNair

MDW

County: District of Columbia**POC:** Jewel A. Simmons (MDW)

Email: simmonsj@mcnair-emh2.army.mil

(202) 685-3387

No Species

Fort McPherson

FORSCOM

County: (NA), Georgia**POC:** c/o Bert Bivings

HQ FORSCOM, Engineers Environmental Branch,

Ft McPherson, GA 30330-6004 Attn: AFPI-ENE

Email: bivings@ftmcphsn-emn1.army.mil

(404) 669-7659

No Species

Fort Meyer

MDW

County: (NA), Virginia**POC:** Jewel A. Simmons

Email: simmonsj@mcnair-emh2.army.mil

(202) 685-3387

No Species

Fort Monmouth

AMC

County: Monmouth, New Jersey**POC:** Dinkel Dasai

173 Riverside Ave., NJ 07703-5108

Attn: SELFM-PW-EV

Email: desai@doim6.monmouth.army.mil

(908) 532-1475

No Species

Fort Monroe

TRADOC

County: (NA), Virginia**POC:** Bob Anderson

HQ, Tradoc VA 23651 ATBO-FN

Email: anderso7@emh10.monroe.army.mil

(804) 727-2077

No Species

Fort Pickett

USARC

County: Nottoway, Virginia**POC:** Alan Dyck

HQ, USAG, Fort Pickett, Blackstone, VA 23824-5000

Attn: AFRC-FMP-PW Email: dycka@juno.com

(804) 292-8501

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**ONSITE****Plants**Michaux's Sumac, *Rhus michauxii* (E) Expenditures

Fort Polk

FORSCOM

County: Vernon, Sabine, and Natchitoches, Louisiana**POC:** Stephanie Stephens

HQ, JRTC & Fort Polk, Fort Polk, LA 71459

Attn: AFZX-PW-EC Email: jsmith@POLK-EMH2.ARMY.MIL

(318) 531-6130

BOTH ONSITE AND CONTIGUOUS**Birds**Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) ESMP RestrictionsExpenditures

Fort Richardson

USARPAC

County: (NA), Alaska**POC:** William Gossweiler

730 Quartermaster Rd, AK 99505-6500

Attn: APVR-RPW-EV (907)-384-3017

ONSITE**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)

Fort Riley

FORSCOM

Counties: Riley and Geary, Kansas**POC:** Dave Jones

Bldg. 1970 Second Street, KS 66442

Attn: AFZN-ES-N (913) 239-6211

BOTH ONSITE AND CONTIGUOUS**Birds**Piping Plover, *Charadrius melodus* (T) ESMP ExpendituresPeregrine Falcon, *Falco peregrinus* E(S/A) ESMP ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) ESMP ExpendituresLeast Tern, *Sterna antillarum* (E) ESMP Expenditures**Fish**Sturgeon Chub, *Macrhybopsis (=Hybopsis) gelida* (C)Topeka Shiner, *Notropis topeka (=tristis)* (C)

Fort Ritchie

MDW

County: (NA), Maryland**POC:** Jewel A. Simmons (MDW)

Email: simmonsj@mcnair-emh2.army.mil

(202) 685-3387

No Species

Fort Rucker

TRADOC

Counties: Dale and Coffee, Alabama

POC: Mayo, C. Or Spillers, D. U.S. Army Aviation Center and Fort Rucker, AL
 36362-5000 Attn: ATZQ-DPW-EN
 Email: charles_mayo@rucker-emh4.army.mil or
 daniel_spillers@rucker-emh4.army.mil
 (334) 255-2416x9363

BOTH ONSITE AND CONTIGUOUS**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)**CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**Mammals**Gray Bat, *Myotis grisescens* (E)**Fort Ruger, HI-ARNG**

NGB

County: Honolulu, Hawaii

POC: Melissa Dumaran Hawaii Army National Guard, 3949 Diamond Head Road,
 Honolulu, HI 96816-4495
 Attn: Engineering-Environmental
 Email: dumaran@hawaii.edu (808) 733-4265

ONSITE**Plants**Pu`uka`a, *Cyperus trachysanthos* (PE)**Fort Sam Houston/(Camp Bullis)**

MEDCOM

County: Bexar, Texas

POC: Jackie Schlatter 2202 15th Street, Bldg. 4196, TX 78234-5007
 Attn: MCGA-PW-ENR
 Email: jackie_schlatter@smtplink.medcom1.amedd.army.mil
 (210) 221-5093

BOTH ONSITE AND CONTIGUOUS**Birds**Golden-cheeked Warbler, *Dendroica chrysoparia* (E) ESMP Restrictions ExpendituresBlack-capped Vireo, *Vireo atricapillus* (E) ESMP Restrictions Expenditures

Fort Sill

TRADOC

County: Commanche, Oklahoma**POC:** Glen WamplerHQ USAFACFS, Directorate of Environmental Quality,
OK 73503 Attn: ATZR-BN

Email: barnettr@sill-emh1.army.mil (405) 442-4324

BOTH ONSITE AND CONTIGUOUS**Birds**Black-capped Vireo, *Vireo atricapillus* (E) ESMP Restrictions Expenditures**Fort Stewart & Hunter Army Airfield**

FORSCOM

Counties: Liberty, Long, Bryan, Tattnall, Evans, and Chatham, Georgia**POC:** Tim Beaty

DPW, ENRD, F&W Branch, Fort Stewart, GA 31314-5000

Attn: AFZP-DEV-W

Email: beatyt%dpw2@stewart-emh4.army.mil (912) 767-7261

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions ExpendituresWood Stork, *Mycteria americana* (E) ESMP**Fish**Shortnose Sturgeon, *Acipenser brevirostrum* (E) ESMP Expenditures**Reptiles**Eastern Indigo Snake, *Drymarchon corais couperi* (T) ESMP Expenditures**ONSITE****Birds**Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) Jeopardy ESMP
Restrictions Expenditures**Fort Totten**

FORSCOM

County: (NA), New York**POC:** c/o Bert BivingsHQ FORSCOM, Engineers Environmental Branch, Ft
McPherson, NY 30330-6003 Attn: AFPI-ENE

Email: bivings@ftmcphsn-emn1.army.mil (404) 669-7659

No Species

Fort Wainwright

USARPAC

County: (NA), Alaska**POC:** William Gossweiler

730 Quartermaster Rd., AK 99505-6500

Attn: APVR-RPW-EV (907) 384-3017

ONSITE**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)

Gardiner Training Site, ME-ARNG

NGB

County: Kennebec, Maine**POC:** Maj Tim Bowman

Rte 26, Gardiner, ME 04345 Attn: MEARNG-DFE

Email: bowman@me-ngnet.army.mil (207) 626-4395

No Species

Grubbs/Kyle Training Center, TN-ARNG

NGB

County: Rutherford, Tennessee**POC:** James Wicker

Smyrna Airport, Building 602, Smyrna, TN 37167

Attn: Training Site HQ (616) 355-3778

No Species

Hancock Army Complex

FORSCOM

County: (NA), New York**POC:** c/o Bert BivingsHQ FORSCOM, Engineers Environmental Branch,
Ft McPherson, NY 30330-6001

Attn: AFPI-ENE

Email: bivings@ftmcphsn-emn1.army.mil (404) 669-7659

No Species

Hastings Training Site, NE-ARNG

NGB

Counties: Clay and Adams, Nebraska**POC:** Maj David Peterson

6700 East J St, Hastings, NE 68901-8435

Attn: Training Site Manager (402) 463-7192

No Species

Hawthorne Army Depot

AMC

County: Mineral, Nevada**POC:** Jim Purrell

P.O. Box 5000, NV 89415-5000 Attn: SIOHW-ORE

Email: jpurrell@ria-emh2.army.mil (702) 945-7590

No Species

Hollis Plains Training Site, ME-ARNG

NGB

County: York, Maine**POC:** Maj Tim Bowman

Hardscrabble Road, Hollis, ME 04042 Attn: MEARNG-DFE

Email: bowman@me-ngnet.army.mil (207) 626-4395

No Species

Holston Army Ammunition Plant

AMC

Counties: Hawkins and Sullivan, Tennessee**POC:** Gregory W. Lee

4509 West Stone Drive, Kingsport, TN 37660-9982

Attn: SIOHS-EC Email: glee1@ria-emh2.army.mil

(423) 578-6276

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions

Indiana Army Ammunition Plant

AMC

County: Clark, Indiana**POC:** Walt McClellan

11452 Highway 62, Charlestown, IN 47111-9667

Attn: SIOIN-NR Email: Indiana-AAP@ria-emh2.army.mil

(812) 284-7616

CONTIGUOUS**Mammals**Gray Bat, *Myotis grisescens* (E) ExpendituresIndiana Bat, *Myotis sodalis* (E) Expenditures

Iowa Army Ammunition Plant

AMC

County: Des Moines, Iowa**POC:** Joe Haffner

17571 State Highway, Middletown, IA 52638 SIOIA-PPE

Email: jhaffner@ria-emh2.army.mil (319) 753-7903

No Species

Jefferson Proving Ground

AMC

Counties: Jefferson, Ripley, and Jennings, Indiana**POC:** Ken Knouf

Highway 421, IN 47250 (812) 273-2551

ONSITE**Birds**`Oha, *Delissea subcordata* (PE)**Mammals**Indiana Bat, *Myotis sodalis* (E)

John Sevier Range, TN-ARNG

NGB

County: Knox, Tennessee**POC:** Vernon Callahan

2327 Rifle Range Road, Knoxville, TN 21122

Attn: Facility Supervisor (615) 423-6655

No Species

Joliet Army Ammunition Plant

AMC

County: Will, Illinois**POC:** Arthur Holz

29401 S. Rte. 53, Wilmington, IL 60481 SIOJO-OR

Email: aholz@ria-emh2.army.mil (815) 423-2877

No Species

Kahuku Training Area

USARPAC

County: Honolulu, Hawaii**POC:** Steve Kim

U.S. Army Garrison, Hawaii, Attn: APVG-GWV

Schofield Barracks, HI 96857-5000 (808) 656-2878x1050

BOTH ONSITE AND CONTIGUOUS**Plants**Haha Oha, *Cyanea koolauensis* (PE) ESMPHaha Oha, *Cyanea longiflora* (PE) ESMPNanu, *Gardenia mannii* (PE) ESMPNo Common Name, *Hesperomannia arborescens* (E) ESMP`Ohe`ohe, *Tetraplasandra gymnocarpa* (E) ESMP**ONSITE****Plants**No Common Name, *Adenophorus periens* (E) ESMPNioi, *Eugenia koolauensis* (E) ESMP Expenditures**CONTIGUOUS****Birds**Oahu 'Elepaio, *Chasiempis sandwichensis ibidis* (C)**Plants**Akoko, *Chamaesyce rockii* (PE) ESMPHaha Oha, *Cyanea grimesiana ssp. grimesiana* (E) ESMPNo Common Name, *Phyllostegia hirsuta* (PE) ESMPPopolo `Aiakeakua, *Solanum sandwicense* (E) ESMP**Snails**Pupu Kuahiwi, *Achatinella curta* (E) ESMPPupu Kuahiwi, *Achatinella dimorpha* (E) ESMPPupu Kuahiwi, *Achatinella sowerbyana* (E) ESMPPupu Kuahiwi, *Achatinella valida* (E) ESMP

Kansas Army Ammunition Plant

AMC

County: Labette, Kansas**POC:** Mr. Alan Hynek

23018 Rooks Road, Parsons, KS 67357-8403

Attn: SIOKS-ORN

Email: ahynek@ria-emh2.army.mil (316) 421-7427

No Species

Kawailoa Training Area

USARPAC

County: Honolulu, Hawaii**POC:** Steve KimU.S. Army Garrison, Hawaii, Schofield Barracks,
HI 96857-5000

Attn: APVG-GWV (808) 656-2878x1050

BOTH ONSITE AND CONTIGUOUS**Birds**Oahu 'Elepaio, *Chasiempis sandwichensis ibidis* (C)Molokai (=Kakawahie) Creeper, *Paroreomyza* (=Oreomystis, =Loxops) *flammea* (E) ESMP**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E) ESMP**Plants**Akoko, *Chamaesyce rockii* (PE) ESMPHaha Oha, *Cyanea acuminata* (PE) ESMPHaha Oha, *Cyanea grimesiana* ssp. *grimesiana* (E) ESMPHaha Oha, *Cyanea koolauensis* (PE) ESMPHaha Oha, *Cyanea longiflora* (PE) ESMPHa'iwale, *Cyrtandra viridiflora* (PE) ESMPNanu, *Gardenia mannii* (PE) ESMPNo Common Name, *Hesperomannia arborescens* (E) ESMPKamakahala, *Labordia cyrtandrae* (PE) ESMPHaha Oha, *Lobelia gaudichaudii* ssp. *koolauensis* (PE) ESMPHaha Oha, *Lobelia oahuensis* (E) ESMPKolea, *Myrsine juddii* (PE) ESMPLaukahi Kuahiwi, *Plantago princeps* var. *longibracteata* (E) ESMPHaha Oha, *Rollandia crispa* [*Cyanea crispa*] (E) ESMPNo Common Name, *Sanicula purpurea* (PE) ESMP'Ohe'ohe, *Tetraplasandra gymnocarpa* (E) ESMPNo Common Name, *Viola oahuensis* (PE) ESMP**Snails**Pupu Kuahiwi, *Achatinella byronii* (E) ESMPPupu Kuahiwi, *Achatinella decipiens* (E) ESMPPupu Kuahiwi, *Achatinella lila* (E) ESMPPupu Kuahiwi, *Achatinella livida* (E) ESMPPupu Kuahiwi, *Achatinella sowerbyana* (E) ESMP

Kamakahala, *Labordia cyrtandrae* (PE) ESMP
 Haha Oha, *Lobelia gaudichaudii* ssp. *koolauensis* (PE) ESMP
 Haha Oha, *Lobelia oahuensis* (E) ESMP
 Kolea, *Myrsine juddii* (PE) ESMP
 Laukahi Kuahiwi, *Plantago princeps* var. *longibracteata* (E) ESMP
 Haha Oha, *Rollandia crispa* [*Cyanea crispa*] (E) ESMP
 No Common Name, *Sanicula purpurea* (PE) ESMP
 `Ohe`ohe, *Tetraplasandra gymnocarpa* (E) ESMP
 No Common Name, *Viola oahuensis* (PE) ESMP

Snails

Pupu Kuahiwi, *Achatinella byronii* (E) ESMP
 Pupu Kuahiwi, *Achatinella decipiens* (E) ESMP
 Pupu Kuahiwi, *Achatinella lila* (E) ESMP
 Pupu Kuahiwi, *Achatinella livida* (E) ESMP
 Pupu Kuahiwi, *Achatinella sowerbyana* (E) ESMP

ONSITE

Plants

No Common Name, *Adenophorus periens* (E) ESMP
 Ha'iwaie, *Cyrtandra dentata* (PE) ESMP
 Wawae'Iole, *Lycopodium nutans* (E) ESMP Expenditures
 Alani *Melicope lydgatei* (E) ESMP Expenditures
 No Common Name, *Phyllostegia hirsuta* (PE) ESMP
 No Common Name, *Phyllostegia parviflora* var. *parviflora* (E) ESMP Expenditures
 No Common Name, *Pteris lidgatei* (E) ESMP Expenditures

Snails

Pupu Kuahiwi, *Achatinella rosea* (E) ESMP
 Pupu Kuahiwi, *Achatinella apexfulva* (E) ESMP
 Pupu Kuahiwi, *Achatinella bulimoides* (E) ESMP
 Pupu Kuahiwi, *Achatinella leucorraphe* (E) ESMP
 Pupu Kuahiwi, *Achatinella pulcherrima* (E) ESMP
 Pupu Kuahiwi, *Achatinella swiftii* (E) ESMP

CONTIGUOUS

Plants

`Oha, *Delissea subcordata* (PE) ESMP
 Nioi, *Eugenia koolauensis* (E) ESMP Expenditures
 No Common Name, *Platanthera holochila* (PE) ESMP

Keamuku LTA, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa Dumaran

Hawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265

ONSITE**Birds**Hawaiian Duck, *Anas wyvilliana* (E)Hawaiian (=Io) Hawk, *Buteo solitarius* (E)Hawaii 'Akepa, *Loxops coccineus coccineus* (E)Hawaiian (=Nene) Goose, *Nesochen (=Branta) sandvicensis* (E)Hawaii Creeper *Oreomystis (=Loxops) mana* (E)**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E)**Plants**Kauila, *Colubrina oppositifolia* (E)No Common Name, *Haplostachys haplostachya* (E)Aupaka, *Isodendrion hosakae* (E)No Common Name, *Lipochaeta venosa* (E)Aiea, *Nothocestrum breviflorum* (E)Po'e, *Portulaca sclerocarpa* (E)No Common Name, *Tetramolopium arenarium arenarium* (E)No Common Name, *Vigna o-wahuensis* (E)A'e, *Zanthoxylum hawaiiense* (E)

Keaukaha Military Reservation, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa Dumaran

Hawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265

ONSITE**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E)

Kekaha LTA, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa DumaranHawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265**BOTH ONSITE AND CONTIGUOUS****Birds**Hawaiian (=Nene) Goose, *Nesochen* (=Branta) *sandvicensis* (E)**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E)**ONSITE****Birds**Hawaiian (=Io) Hawk, *Buteo solitarius* (E)**CONTIGUOUS****Birds**Hawaiian Duck, *Anas wyvilliana* (E)Hawaiian Coot, *Fulica americana alai* (E)Hawaiian Gallinule, *Gallinula chloropus sandvicensis* (E)Hawaiian (=Ae`o) Stilt, *Himantopus mexicanus* (=himantopus) *knudseni* (E)**Lake City Army Ammunition Plant**

AMC

County: Jackson, Missouri**POC:** Scott Smith

Independence, MO 64051-0250 Attn: SIOSF-NR

Email: ssmith2@ria-emh2.army.mil (913) 583-3000x6964

No Species

Leesburg Training Site, SC-ARNG

NGB

County: Richland, South Carolina**POC:** C. Bryan Hall

5401 Leesburg Road, SC29044 Attn: TAG-OT-TS-EN

Email: envlts@netside.com (803) 806-2236

ONSITE**Birds**Red-cockaded Woodpecker, *Picoides* (=Dendrocopos) *borealis* (E) ESMP Restrictions**Plants**Smooth Coneflower, *Echinacea laevigata* (E) ESMP RestrictionsRough-leaved Loosestrife, *Lysimachia asperulaefolia* (E) ESMP

Letterkenny Army Depot

AMC

County: Franklin, Pennsylvania**POC:** Randy Quinn

Bldg. 618, Chambersburg, PA 17201 Attn: SIOLE-EEJ

Email: rquinn@letterkenn-emh1.army.mil

(717) 267-8438

ONSITE**Reptiles**Bog (Northern Population) Turtle, *Clemmys muhlenbergii* (C)**Lil Aaron Straus Wilderness Area, MD-NGB**

NGB

County: Baltimore, Maryland**POC:** Cpt Chris Cole

5th Regiment Armory, MD 21201

MD-STARC-FMO-ENV

Email: ranger@erols.com (410) 576-6132

BOTH ONSITE AND CONTIGUOUS**Plants**Harperella, *Ptilimnium nodosum* (E) ESMP Restrictions Expenditures**Lima Army Tank Plant**

AMC

County: Allen, Ohio**POC:** Phil R. Dawson

1155 Buckeye Road, Lima, OH 45804-1898 Attn: P. Dawson

DCMDE-RQTF Email: brq9051@dcrb.dla.mil (419) 221-9537

No Species

Longhorn Army Ammunition Plant

AMC

County: Harrison, Texas**POC:** Paul Hagerty

Highway 134 @ Highway 43, Karnack, TX 75661

Attn: SIOLH-OR Email: phagerty@ria-emh2.army.mil

(318) 459-5479

BOTH ONSITE AND CONTIGUOUS**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)

Louisiana Army Ammunition Plant

AMC

Counties: Webster and Bossier, Louisiana**POC:** Paul Hagerty

9649 Hwy. 80, Minden, LA 71055 Attn: SIOLH-OR

Email: phagerty@ria-emh2.army.mil (318) 459-5479

BOTH ONSITE AND CONTIGUOUS**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)

Macon Training Site, MO-NGB

NGB

County: Macon, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Jefferson City,
MO 65101

Attn: NGMO-RPE-N (573) 526-9418

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP**CONTIGUOUS****Mammals**Indiana Bat, *Myotis sodalis* (E) Expenditures

Makua Military Reservation

USARPAC

County: Honolulu, Hawaii

POC: Steve Kim

U.S. Army Garrison, Hawaii, Schofield Barracks,
HI 96857-5000

Attn: APVG-GWV (808) 656-2878x1050

BOTH ONSITE AND CONTIGUOUS

BirdsOahu 'Elepaio, *Chasiempis sandwichensis ibidis* (C)Molokai (=Kakawahie) Creeper, *Paroreomyza* (=Oreomystis, =Loxops) *flammea* (E) ESMPPlantsMahoe Ala'alahua, *Alectryon macrococcus* var. *macrococcus* (E) ESMPNo Common Name, *Alsinidendron obovatum* (E) ESMP ExpendituresNo Common Name, *Diellia falcata* (E) ESMPNa'ena'e, *Dubautia herbstobatae* (E) ESMP ExpendituresNo Common Name, *Hedyotis parvula* (E) ESMPAnaunau, *Lepidium arbuscula* (PE) ESMPKulu'i, *Nototrichium humile* (E) ESMPLaukahi Kuahiwi, *Plantago princeps* var. *princeps* (E) ESMPNo Common Name, *Sanicula mariversa* (E) ESMP ExpendituresNo Common Name, *Schiedea hookeri* (PE) ESMPHawaiian Parsley, *Spermolepis hawaiiensis* (E) ESMP ExpendituresNo Common Name, *Tetramolopium filiforme* var. *polyphyllum* (E) ESMP
ExpendituresSnailsPupu Kuahiwi, *Achatinella mustelina* (E) Jeopardy ESMP Restrictions

ONSITE

PlantsNo Common Name, *Bonamia menziesii* (E) ESMPUhiuhi, *Caesalpinia* (=Mezoneuron) *kavaiense* (E) ESMPKamanomano (=Sandbur, Agrimony), *Cenchrus agrimonioides* (PE) ESMPOha Oha, *Cyanea superba* ssp. *superba* (E) ESMP Expenditures'Akoko, *Euphorbia haeleeleana* (PE) ESMPMehamehame, *Flueggea neowawraea* (E) ESMP ExpendituresNehe, *Lipochaeta tenuifolia* (E) ESMPMa'aloa, *Neraudia angulata* var. *angulata* (E) ESMP ExpendituresMa'aloa, *Neraudia angulata* var. *dentata* (E) ESMP ExpendituresLoulou, *Pritchardia kaalae* (PE) ESMPNo Common Name, *Schiedea nuttallii* (PE) ESMPLanceleaf Catchfly, *Silene lanceolata* (E) ESMPPamakani, *Viola chamissoniana* ssp. *chamissoniana* (E) ESMP Expenditures

CONTIGUOUS

Plants

Pauoa, *Ctenitis squamigera* (E) ESMP Expenditures

Oha, *Delissea subcordata* (PE) ESMP

Haha Oha, *Lobelia niihauensis* (E) ESMP

No Common Name, *Tetramolopium lepidotum ssp. lepidotum* (E) ESMP

Marseilles Training Area, IL-ARNG

NGB

County: (NA), Illinois

POC: Jon Casebeer

c/o Dept. of Military Affairs, Facilities and Engineering
Directorate, 1301 N. MacArthur Blvd.,
Springfield, IL 62702-2399
(217) 785-3592

No Species

Martinez Reserve Center (81st)

USARC

County: Dade, Florida

POC: John Nettles

13601 S.W. 137th Ave., Perrine, FL 33177-2500
Attn: AFRC (305) 378-4822

BOTH ONSITE AND CONTIGUOUS

Plants

Deltoid Spurge, *Chamaesyce (=Euphorbia) deltoidea ssp. deltoidea* (E) ESMP Expenditures

McAlester Army Ammunition Plant

AMC

County: Pittsburg, Oklahoma

POC: Bill Starry

McAlester, OK 74501-5000

Attn: Bill Starry (918) 421-2611

BOTH ONSITE AND CONTIGUOUS

Insects

American Burying Beetle, *Nicrophorus americanus* (E) ESMP

Mead Training Site, NE-ARNG

NGB

County: Saunders, Nebraska

POC: Cpt Vic Siedler

RR 1, Box 104B, Bldg. 38, NE 68041-9725

Attn: Training Site Manager (402) 944-2150

No Species

Milan Army Ammunition Plant

AMC

County: Carroll, Tennessee

POC: Cooper Stephens 2280 Hwy. 104W, Suite 1, Milan, TN 38358-3176
Attn: SIOML-IO Email: g.cooper.stephens@lmco.com
(901) 686-6611

No Species

Milan Training Site, TN-ARNG

NGB

County: Carroll, Tennessee

POC: Jerry Yearwood Rt.1, Box 3, 325 Arsenal Lane, Lavinia, TN 38348-9701
Attn: Facility Manager (901) 783-3975

No Species

Military Ocean Terminal, Bayonne

MTMC

County: Hudson, New Jersey

POC: Leonard Wagner Foot of 32nd St Bridge, NJ 07002 Attn: MTEGB-PWE
Email: wagnerl@bayonne-emh3.army.mil (201) 823-7010

No Species

Natick RD&E Center

AMC

County: (NA), Massachusetts

POC: c/o Rich Clewell U.S. Army Materiel Command,
Installation and Services Activity,
Rock Island, IL 61299-7191 MA AMXEN-M
Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Nebraska Army National Guard

NGB

County: Lancaster, Nebraska

POC: Cpt David Wunibald 1300 Military Rd., Fmo-E, NE 68508-1090
Attn: Env Protection Mgr. (402) 471-7136

No Species

New Jersey National Guard

NGB

County: Mercer, New Jersey**POC:** Dean L. Arrighi

101 Eggert Crossing Road, Lawrenceville, NJ 08648-2805

Attn: ID-OEC

Email: arrighi@dmava.state.nj.us (609) 530-7136

No Species

Newport Chemical Depot

AMC

County: Vermillion, Indiana**POC:** Phillip Cox

P.O. Box 458, Newport, IN 47966-0458

(317) 245-4324

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)

Oakland Army Base

MTMC

County: Contra Costa, California**POC:** Richard Andrews

100 Alaska Street, Oakland, CA 94626-5000

Attn: MTWGA-EN

Email: andrewsr@oakland-smtp.army.mil

(510) 466-2694

No Species

Orchard Training Area, ID-ARNG

NGB

County: Ada, Idaho**POC:** Dana Quinney

4715 S. Byrd St., Boise, ID 83705

Email: danaq@aol.com or danaq@dmi.net (208) 422-4181

No Species

Parks Reserve Forces Training Area

USARC

County: Alameda, California**POC:** Marshall Marik

Bldg. 790, 5th St., Dublin, CA 94568-5201

Attn: AFRC-FMC-ENV (510) 803-5638

BOTH ONSITE AND CONTIGUOUS**Amphibians**California Red-legged Frog, *Rana aurora draytoni* (PE)**CONTIGUOUS****Mammals**San Joaquin Kit Fox, *Vulpes macrotis mutica* (E)**Picatinny Arsenal TACOM-ARDEC**

AMC

County: Morris, New Jersey**POC:** Jon Vandeventer

Picatinny Arsenal, NJ 07806-5000

Attn: AMSTA-AR-PWR

Email: jvande@pica.army.mil (201) 724-4691

BOTH ONSITE AND CONTIGUOUS**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)Bald Eagle, *Haliaeetus leucocephalus* (T)**Mammals**Indiana Bat, *Myotis sodalis* (E) ESMP**CONTIGUOUS****Reptiles**Bog (Northern Population) Turtle, *Clemmys muhlenbergii* (C)**Pine Bluff Arsenal**

AMC

County: Jefferson, Arkansas**POC:** Charles Becker

10020 Kabrich Circle, Pine Bluff, AR 71602-9500

Attn: SIOPB-EM Email: charles-becker@pba-emh1.army.mil

(501) 540-2834

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)

Pinon Canyon Maneuver Site

FORSCOM

County: Las Animas, Colorado**POC:** Richard Bunn (Vertebrate)

Dave Anderson (Plants)

HQ, PCMS; 36086 U.S. Hwy. 350, Model Co., CO 81059

Email: andersond@carson-emh1.ar

(715) 526-4683 Anderson (719) 576-8075 Bunn

BOTH ONSITE AND CONTIGUOUS**Birds**Mountain Plover, *Charadrius montanus* (C)American Peregrine Falcon, *Falco peregrinus anatum* (E)Bald Eagle, *Haliaeetus leucocephalus* (T) Expenditures**Mammals**Swift Fox, *Vulpes velox* (C)**Plymouth Training Site, ME-ARNG**

NGB

County: Penobscot, Maine**POC:** Maj Tim Bowman

Condin Road, Plymouth, ME 04953

Attn: MEARNG-DFE

Email: bowman@me-ngnet.army.mil (207) 626-4395

No Species

Pohakuloa Training Area

USARPAC

County: Hawaii, Hawaii

POC: Trisha Tierney

36 Mile Marker, Highway 200, PTA, HI 96556

Attn: APVG-GP-ENV

Email: ptaenvof@schofield-emh1.army.mil (808) 969-3340

BOTH ONSITE AND CONTIGUOUS**Birds**Hawaiian (=Io) Hawk, *Buteo solitarius* (E) ESMP'Akiapola'au (Honeycreeper), *Hemignathus munroi* (=wilsoni) (E) ESMPPalila, *Loxioides bailleui* (E) Critical Habitat Jeopardy ESMP Restrictions**Expenditures**Hawaiian (=Nene) Goose, *Nesochen* (=Branta) sandvicensis (E) Jeopardy ESMP**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E) ESMP**Plants**No Common Name, *Haplostachys haplostachya* (E) Jeopardy ESMP Restrictions ExpendituresPo'e, *Portulaca sclerocarpa* (E) ESMP RestrictionsA'e, *Zanthoxylum hawaiiense* (E) ESMP Restrictions**ONSITE****Plants**Fragile Fern, *Asplenium fragile* var. *insulare* (E) ESMP RestrictionsKio'ele, *Hedyotis coriacea* (E) ESMP RestrictionsMa'aloe, *Neraudia ovata* (PE) ESMPHawaiian Catchfly, *Silene hawaiiensis* (T) ESMP RestrictionsLanceleaf Catchfly, *Silene lanceolata* (E) ESMP Restrictions ExpendituresSpiny Popolo, *Solanum incompletum* (E) ESMP ExpendituresHawaiian Parsley, *Spermolepis hawaiiensis* (E) ESMP RestrictionsNo Common Name, *Stenogyne angustifolia* (E) Jeopardy ESMP RestrictionsMauna Kea Pamakani, *Tetramolopium arenarium* (E) ESMP Restrictions**CONTIGUOUS****Birds**Alala, Hawaiian Crow, *Corvus hawaiiensis* (E) ESMPHawaii 'Akepa, *Loxops coccineus coccineus* (E) ESMPHawaii Creeper, *Oreomystis* (=Loxops) *mana* (E) ESMPO'u, *Psittirostra psittacea* (E) ESMPHawaiian Dark-rumped Petrel, *Pterodroma phaeopygia sandwichensis* (E) ESMP

Presidio of Monterey

TRADOC

County: Monterey, California**POC:** Jane Holte

Presidio of Monterey, Monterey, CA 93944-5006

Attn: ATZP-EP

Email: holtej@pom-emhi.army.mil (408) 242-7917

BOTH ONSITE AND CONTIGUOUS**Plants**Yadon's Piperia, *Piperia yadonii* (PE) ESMP

Presidio of Monterey (POM) Annex

TRADOC

County: Monterey, California**POC:** Jane Holte

Presidio of Monterey, Monterey, CA 93944-5006

Attn: ATZP-EP Email: holtej@pom-emhi.army.mil

(408) 242-7917

BOTH ONSITE AND CONTIGUOUS**Birds**Western Snowy Plover, *Charadrius alexandrinus nivosus* (T) ESMP Expenditures**Insects**Smith's Blue Butterfly, *Euphilotes enoptes smithi* (E) ESMP Expenditures**Plants**Monterey Spineflower, *Chorizanthe pungens* var. *pungens* (T) ESMP ExpendituresRobust Spineflower, *Chorizanthe robusta* (E) ESMPMonterey Sand Gilia, *Gilia tenuiflora* ssp. *arenaria* (E) ESMP ExpendituresYadon's Piperia, *Piperia yadonii* (PE) ESMP**Reptiles**California Black Legless Lizard, *Anniella pulchra nigra* (PE) ESMP**CONTIGUOUS****Amphibians**California Red-legged Frog, *Rana aurora draytoni* (PE) ESMP

Pu'u Pa LTA, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa Dumaran

Hawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental
Email: dumaran@hawaii.edu (808) 733-4265

ONSITE**Birds**Hawaiian (=Io) Hawk, *Buteo solitarius* (E)Hawaii 'Akepa, *Loxops coccineus coccineus* (E)Hawaii Creeper, *Oreomystis (=Loxops) mana* (E)**Mammals**Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E)Kauila, *Colubrina oppositifolia* (E)No Common Name, *Lipochaeta venosa* (E)Aiea, *Nothocestrum breviflorum* (E)Po'e, *Portulaca sclerocarpa* (E)No Common Name, *Stenogyne angustifolia* (E)No Common Name, *Tetramolopium arenarium arenarium* (E)

Pueblo Depot Activity

AMC

County: (NA), Colorado**POC:** c/o Rich Clewell

U.S. Army Materiel Command, Installation and
Services Activity, Rock Island, IL 61299-7193
CO AMXEN-M
Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Radford Army Ammunition Plant

AMC

Counties: Montgomery and Pulaski, Virginia**POC:** Charles Chase

P.O. Box 2, VA 24141 Attn: SIORF-SE-EQ
Email: jjenkins@ria.emh2.army.mil (540) 693-8649

BOTH ONSITE AND CONTIGUOUS**Snails**Virginia Fringed Mountain Snails, *Polygyriscus virginianus* (E)**CONTIGUOUS****Plants**Smooth Coneflower, *Echinacea laevigata* (E)

Ravenna Army Ammunition Plant

AMC

Counties: Portage and Trumbull, Ohio**POC:** Tim Morgan

8451 State Route 5, OH 44266-9297 Attn: SIORV-NR

Email: Ravenna-aap@ria-emh2.army.mil

(330) 358-7311

CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**Mammals**Indiana Bat, *Myotis sodalis* (E)**Plants**Northern Wild Monkshood, *Aconitum noveboracense* (T)**Red River Army Depot**

AMC

County: Bowie, Texas**POC:** Bennie Murray/Terry Ruth

Texarkana, TX 75507-5000 Attn: SIORR-OL

Email: Siorrol@redriverad-emh1.army.mil

(903) 334-2379

No Species

Redstone Arsenal

AMC

County: Madison, Alabama**POC:** Danny Dunn

MICOM, Redstone Arsenal, AL 35898

Attn: AMSMI-RA-EMP-IRNR

Email: ddunn@hwmws1.redstone.army.mil (205) 955-6970

BOTH ONSITE AND CONTIGUOUS**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)Bald Eagle, *Haliaeetus leucocephalus* (T)**Crustaceans**Alabama Cave Shrimp, *Palaemonias alabamae* (E) ESMP Expenditures**Mammals**Gray Bat, *Myotis grisescens* (E)**Reptiles**American Alligator, *Alligator mississippiensis* T(S/A)**ONSITE****Plants**Price's Potato Bean, *Apios priceana* (T) ESMP

Regional Training Institute, NH-ARNG

NGB

County: Strafford, New Hampshire**POC:** Zachary Boyajian P.O. Box 280, Route 128 Center, Strafford, NH 03815-0280
Attn: NHAG-FM-EV Email: boyajian@nh-ngnet.army.mil
(603) 228-1135x1440

CONTIGUOUS

PlantsSmall Whorled Pogonia, *Isotria medeoloides* (T)

Riley-Bog Brook Training Site, ME-ARNG

NGB

County: Oxford, Maine**POC:** Maj Tim Bowman Rte 2, Gilead, ME 04217 Attn: MEARNG-DFE
Email: bowman@me-ngnet.army.mil (207) 626-4395No Species

Rock Island Arsenal

AMC

County: Rock Island, Illinois**POC:** Rich Todd Rock Island, IL 56299 Attn:SIORI-PWB
Email: rtodd@ria-emh2.army.mil (309) 782-2045

BOTH ONSITE AND CONTIGUOUS

BirdsBald Eagle, *Haliaeetus leucocephalus* (T)

Savanna Army Depot Activity

AMC

Counties: Jodaviess and Carroll, Illinois**POC:** Bob Speaker Rt. 84 North, IL 61074 Attn:SIOSV-AE
Email: rspeaker@letterkenn-emh1.army.mil
(815) 273-8533

BOTH ONSITE AND CONTIGUOUS

BirdsBald Eagle, *Haliaeetus leucocephalus* (T) ESMP Expenditures**Clams**Higgins' Eye Pearlymussel, *Lampsilis higginsi* (E) Expenditures

CONTIGUOUS

MammalIndiana Bat, *Myotis sodalis* (E) Expenditures

Schofield Barracks Military Reservation

USARPAC

County: Honolulu, Hawaii

POC: Steve Kim

U.S. Army Garrison, Hawaii, Schofield Barracks,
HI 96857-5000

Attn: APVG-GWV (808) 656-2878x1050

BOTH ONSITE AND CONTIGUOUS

Birds

Oahu 'Elepaio, *Chasiempis sandwichensis ibidis* (C)

Molokai (=Kakawahie) Creeper, *Paroreomyza (=Oreomystis, =Loxops) flammea* (E) ESMP

Mammal

Hawaiian Hoary Bat, *Lasiurus cinereus semotus* (E) ESMP

Plants

Mahoe Ala'alahua, *Alectryon macrococcus* var. *macrococcus* (E) ESMP

No Common Name, *Alsinidendron trinerve* (E) ESMP

Akoko, *Chamaesyce rockii* (PE) ESMP

Haha Oha, *Cyanea acuminata* (PE) ESMP

Haha Oha, *Cyanea grimesiana* ssp. *grimesiana* (E) ESMP

Haha Oha, *Cyanea koolauensis* (PE) ESMP

Haha Oha, *Cyanea longiflora* (PE) ESMP

Ha'iwaile, *Cyrtandra subumbellata* (PE) ESMP

No Common Name, *Diellia falcata* (E) ESMP

Nanu, *Gardenia mannii* (PE) ESMP

No Common Name, *Hesperomannia arborescens* (E) ESMP

Aupaka, *Isodendron laurifolium* (PE) ESMP

Anaunau, *Lepidium arbuscula* (PE) ESMP

Haha Oha, *Lobelia niihauensis* (E) ESMP

Haha Oha, *Lobelia oahuensis* (E) ESMP

No Common Name, *Phyllostegia hirsuta* (PE) ESMP

No Common Name, *Sanicula purpurea* (PE) ESMP

No Common Name *Schiedea hookeri* (PE) ESMP

'Ohe'ohe, *Tetraplasandra gymnocarpa* (E) ESMP

Opuhe, *Urera kaalae* (E) ESMP

Pamakani, *Viola chamissoniana* ssp. *chamissoniana* (E) ESMP Expenditures

No Common Name, *Viola oahuensis* (PE) ESMP

Snails

Pupu Kuahiwi, *Achatinella byronii* (E) ESMP

Pupu Kuahiwi, *Achatinella decipiens* (E) ESMP

Pupu Kuahiwi, *Achatinella leucorraphe* (E) ESMP

Pupu Kuahiwi, *Achatinella mustelina* (E) ESMP

Pupu Kuahiwi, *Achatinella sowerbyana* (E) ESMP

Pupu Kuahiwi, *Achatinella swiftii* (E) ESMP

ONSITE**Plant**

Kamanomano (=Sandbur, Agrimony), *Cenchrus agrimonioides* (PE) ESMP

Oha, *Cyanea superba ssp. superba* (E) ESMP Expenditures

Kamakahala, *Labordia cyrtandrae* (PE) ESMP

Ma'aloa, *Neraudia angulata var. angulata* (E) ESMP Expenditures

Ma'aloa, *Neraudia angulata var. dentata* (E) ESMP Expenditures

No Common Name, *Pteris lidgatei* (E) ESMP Expenditures

Snails

Pupu Kuahiwi, *Achatinella apexfulva* (E) ESMP

CONTIGUOUS**Plants**

No Common Name, *Abutilon sandwicense* (E) ESMP

Pauoa, *Ctenitis squamigera* (E) ESMP Expenditures

Haha Oha, *Cyanea grimesiana ssp. obatae* (E) ESMP Expenditures

Oha, *Delissea subcordata* (PE) ESMP

No Common Name, *Diplazium molokaiense* (E) ESMP

Fosberg's Love Grass, *Eragrostis fosbergii* (PE) ESMP

Mehamehame, *Flueggea neowawraea* (E) ESMP

Nehe, *Lipochaeta lobata var. leptophylla* (E) ESMP

Wawae'Iole, *Lycopodium nutans* (E) ESMP Expenditures

Kulu'i, *Nototrichium humile* (E) ESMP

No Common Name, *Phyllostegia mollis* (E) ESMP

Loulu, *Pritchardia kaalae* (PE) ESMP

No Common Name, *Schiedea nuttallii* (PE) ESMP

Popolo `Aiakeakua, *Solanum sandwicense* (E) ESMP Expenditures

No Common Name, *Stenogyne kanehoana* (E) ESMP Expenditures

No Common Name, *Tetramolopium lepidotum ssp. lepidotum* (E) ESMP

Sea Girt National Guard Training Center, NJ-ARNG

NGB

County: Monmouth, New Jersey

POC: Donald Beck

P.O. Box 251, Sea Girt, NJ 08750-0251

Attn: Superintendant Email: arrighi@dmava.state.nj.us

(908) 974-5950

No Species

Seneca Army Depot Activity

AMC

County: Seneca, New York**POC:** Michael Stofka

5786 State Route 96, Romulus, NY 14541-5001

Attn: SIOSE-IE Email: scooper@seneca-emh.army.mil
(607) 869-1532No Species

Sierra Army Depot

AMC

County: Lassen, California**POC:** Wayne Dreyer

Building 79, Herlong, CA 96113 Attn: SIOSI-ENV

Email: wdreyer@sierra-emh.army.mil (916) 827-4454

BOTH ONSITE AND CONTIGUOUS**Birds**Peregrine Falcon, *Falco peregrinus* E(S/A) Restrictions ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) Restrictions Expenditures

Skelton Training Site, MO-NGB

NGB

County: Cole, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Jefferson City,
MO 65101

Attn: NGMO-RPE-N (573) 526-9418

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP ExpendituresLeast Tern, *Sterna antillarum* (E) ESMP**CONTIGUOUS****Clams**Pink Mucket Pearlymussel, *Lampsilis abrupta* (=orbiculata) (E) ESMP**Fish**Sturgeon Chub, *Macrhybopsis* (=Hybopsis) *gelida* (C)Sicklefin Chub, *Macrhybopsis meeki* (C)Topeka Shiner, *Notropis topeka* (=tristis) (C)Pallid Sturgeon, *Scaphirhynchus albus* (E) ESMP**Mammal**Gray Bat, *Myotis grisescens* (E)

St. George Armory, UT-ARNG

NGB

County: Salt Lake, Utah**POC:** Douglas Johnson 12953 South Minuteman Drive, P.O. Box 1776, Draper, UT
84020-1776 (801) 576-3960**BOTH ONSITE AND CONTIGUOUS****Plants**Dwarf Bearclaw Poppy, *Arctomecon humilis* (E) ESMP Restrictions

State Military Reservation, NH-ARNG

NGB

County: Merrimack, New Hampshire**POC:** Zachary Boyajian 4 Pembroke Road, Concord, NH 03301-5652
Attn: NHAG-FM-EV Email: boyajian@nh-ngnet.army.mil**CONTIGUOUS** (603) 228-1135x1439**Insects**Karner Blue Butterfly, *Lycaeides melissa samuelis* (E)

Stead Training Site, NV-ARNG

NGB

County: Washoe, Nevada**POC:** Loren Brazell 2601 S. Carson St., Carson City, NV 89701
Attn: USPFO-FMO-ENV (702) 887-7276**BOTH ONSITE AND CONTIGUOUS****Birds**Peregrine Falcon, *Falco peregrinus* E(S/A) ESMP Restrictions ExpendituresBald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions Expenditures

Sunflower Army Ammunition Plant

AMC

County: Johnson, Kansas**POC:** Scott Smith P.O. Box 640, DeSoto, KS 66018-0640 Attn: SIOSF-NR
Email: ssmith2@ria-emh2.army.mil (913) 583-3000x6964**BOTH ONSITE AND CONTIGUOUS****Birds**Bald Eagle *Haliaeetus leucocephalus* (T)**CONTIGUOUS****Birds**Peregrine Falcon, *Falco peregrinus* E(S/A)**Plants**Mead's Milkweed, *Asclepias meadii* (T)

Sunny Point, 1303d Major Port Command

MTMC

Counties: Brunswick and New Hanover, North Carolina

POC: Tony Gaw

Jct Hwy. 133 and 87, Southport, NC 28461 Attn: MTESU-PW

Email: gawh@bayonne-emh3.army.mil (910) 457-8429

BOTH ONSITE AND CONTIGUOUS

Birds

Bald Eagle, *Haliaeetus leucocephalus* (T)

Red-cockaded Woodpecker, *Picoides (=Dendrocopos) borealis* (E) Jeopardy ESMP
Restrictions

Mammals

Eastern Cougar, *Felis concolor cougar* (E)

Plants

Rough-leaved Loosestrife, *Lysimachia asperulaefolia* (E) ESMP Expenditures

Reptile

American Alligator, *Alligator mississippiensis* T(S/A) ESMP

CONTIGUOUS

Birds

Piping Plover, *Charadrius melodus* (T)

Peregrine Falcon, *Falco peregrinus* E(S/A)

Wood Stork, *Mycteria americana* (E)

Roseate Tern, *Sterna dougallii dougallii* (E)

Fish

Shortnose Sturgeon, *Acipenser brevirostrum* (E)

Mammals

West Indian (=Florida) Manatee, *Trichechus manatus* (E)

Plants

Seabeach Amaranth, *Amaranthus pumilus* (T)

Cooley's Meadowrue, *Thalictrum cooleyi* (E)

Reptiles

Loggerhead Sea Turtle, *Caretta caretta* (T)

Leatherback Sea Turtle, *Dermochelys coriacea* (E)

Kemp's (=Atlantic) Ridley Sea Turtle, *Lepidochelys kempii* (E)

Green Sea Turtle, *Chelonia mydas* (T)

Tobyhanna Army Depot

AMC

County: Monroe, Pennsylvania

POC: Randy Didier

11 Hap Arnold Blvd., PA 18466-5086

Attn: SIOTY-RK-E

Email: rdidier@tobyhanna-emh3.army.mil (717) 895-7090

No Species

Tooele Army Depot

AMC

County: Tooele, Utah**POC:** Mason Walker

Building 501, Tooele, UT 84074 Attn: SIOTE-PWE-E

Email: siote@tooele-emh1.army.mil (801) 833-8733

BOTH ONSITE AND CONTIGUOUS**Birds**American Peregrine Falcon, *Falco peregrinus anatum* (E)Bald Eagle, *Haliaeetus leucocephalus* (T)**Truman Training Site, MO-NGB**

NGB

County: Benton, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Jefferson City,
MO 65101 Attn: NGMO-RPE-N (573) 526-9418**BOTH ONSITE AND CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Restrictions**CONTIGUOUS****Mammal**Gray Bat, *Myotis grisescens* (E)**Plants**Mead's Milkweed, *Asclepias meadii* (T)**Tullahoma Training Site**

NGB

County: Coffee, Tennessee**POC:** Harvey White

400 Industrial Blvd, Tullahoma, TN 37388

Attn: Facility Manager (615) 454-1964

BOTH ONSITE AND CONTIGUOUS**Plants**Eggert's Sunflower, *Helianthus eggertii* (PT) ESMP Restrictions**CONTIGUOUS****Mammal**Gray Bat, *Myotis grisescens* (E)

Twin Cities Army Ammunition Plant

AMC

County: Ramsey, Minnesota**POC:** Douglas Rhead

4700 Hwy 10, Suite A, Arden Hills, MN 55112

Attn: SIOTC-NR

Email: drhead@R13503S1 (612) 633-2303x1666

BOTH ONSITE AND CONTIGUOUS**Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)

Ukemeheheme Firing Range, HI-ARNG

NGB

County: Honolulu, Hawaii**POC:** Melissa DumaranHawaii Army National Guard, 3949 Diamond Head Road,
Honolulu, HI 96816-4495 Attn: Engineering-Environmental

Email: dumaran@hawaii.edu (808) 733-4265

No Species

Umatilla Chemical Depot

AMC

County: (NA), Oregon**POC:** Bob Nelson

Hermiston, OR 97838 Attn: SCBUL-EVS, Bldg. 32

(541) 564-5252

No Species

Vancouver Barracks

FORSCOM

County: (NA), Washington**POC:** c/o Bert BivingsHQ FORSCOM, Engineers Environmental Branch,
Ft. McPherson, WA 30330-6000 Attn: AFPI-ENE

Email: bivings@ftmcphsn-emn1.army.mil (404) 669-7659

No Species

Vint Hill Farms Station

AMC

County: (NA), Virginia**POC:** c/o Rich ClewellU.S. Army Materiel Command, Installation and
Services Activity, Rock Island, IL 61299-7194

Attn: AMXEN-M

Email: rclewell@ria-emh2.army.mil (309) 782-8252

No Species

Virgin Islands Army National Guard

NGB

County: Virgin Islands**POC:** Charles H. McGregor Jr.

4031 La Grande Princesse, Lot Ib, VI 00822-4853

Attn: VI-CFMD-E (809) 778-2176

No Species

Virginia Army National Guard

NGB

County: (NA), Virginia**POC:** Eileen Williams

VAFM-E PRN 160, 600 East Broad St. Richmond, VA 23219

Attn: VAFM-E Email: eileen@osiris.uiuc.cso.edu

(804) 775-9427

No Species

Volunteer Army Ammunition Plant

AMC

County: Hamilton, Tennessee**POC:** Gregory W. Lee

P.O. Box 22607, Chattanooga, TN 37422-2607

Attn: SIOHS-EC

Email: glee1@ria-emh2.army.mil (423) 578-6276

ONSITE**Plants**Large-flowered Skullcap, *Scutellaria montana* (E) ESMP

Walter Reed Army Medical Center

MEDCOM

County: District of Columbia**POC:** Gilbert Gonzalez

U.S. Army Medical Command, c/o 2050 Worth Road,

Fort Sam Houston, TX 79234-6022 Attn: MCFA-E

Email: gilbert_gonzalez@smtplink.medcom.amedd.army.mil

(210) 221-6441

No Species

Wappapello Training Site, MO-ARNG

NGB

County: Butler, Missouri**POC:** Eugene Young2302 Militia Dr., Skelton Training Site, Jefferson City, MO
65101 Attn: NGMO-RPE-N (573) 526-9418**CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T)**Clams**Pink Mucket Pearlymussel, *Lampsilis abrupta* (=orbiculata) (E)**Plants**Pondberry, *Lindera melissifolia* (E)

Watervliet Arsenal

AMC

County: (NA), New York**POC:** c/o Rich ClewellU.S. Army Materiel Command, Installation and Services
Activity, Rock Island, IL 61299-7195 NY Attn: AMXEN-M
Email: rclewell@ria-emh2.army.mil (309) 782-8252No Species

West Point, U.S. Military Academy

USMA

County: Orange, New York**POC:** James BeemerU.S. Military Academy, West Point, NY 10996
Attn: MAEN-EV-NR
Email: yj6936@westpoint-emh2.army.mil
(914) 938-2314**BOTH ONSITE AND CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) ESMP Expenditures**Fish**Shortnose Sturgeon, *Acipenser brevirostrum* (E) ESMP

Western Kentucky Training Site, KY-ARNG

NGB

County: Muhlenberg, Kentucky**POC:** CW4 Joe WilkinsHwy. 181 North, Greenville, KY 42345
Attn: KG-WKYTS (502) 338-5541**BOTH ONSITE AND CONTIGUOUS****Mammal**Gray Bat, *Myotis grisescens* (E)

White Sands Missile Range

AMC

County: Dona Ana, New Mexico**POC:** Dave Holdermann
Dave AndersonCommander, U.S. Army White Sands Missile
Range, Attn: STEWS-NRES-E, WSMR, NM 88002
Attn: NRES-E (505) 678-2641 (Holderman)
(505) 678-7817 (Anderson)**BOTH ONSITE AND CONTIGUOUS****Birds**Northern Aplomado Falcon, *Falco femoralis septentrionalis* (E) ESMP Restrictions
ExpendituresAmerican Peregrine Falcon, *Falco peregrinus anatum* (E) ESMP RestrictionsBald Eagle, *Haliaeetus leucocephalus* (T)**Plants**Todsens's Pennyroyal, *Hedeoma todsenii* (E) Restrictions Expenditures**CONTIGUOUS****Birds**Mountain Plover, *Charadrius montanus* (C)Southwestern Willow Flycatcher, *Empidonax traillii extimus* (E)Mexican Spotted Owl, *Strix occidentalis lucida* (T)**Wisconsin Army National Guard**

NGB

County: (All), Wisconsin**POC:** Kerry Nicholls2400 Wright Street, P.O. Box 14587, Madison, WI 53714-0587
Attn: WIAR-F (608) 242-3359

No Species

Yakima Training Center

FORSCOM

Counties: Yakima and Kittitas, Washington**POC:** Margaret Pounds

AFZH-YT-DENR, Bldg. 810, Yakima, WA 98901

Attn: AFZH-YT-DENR Email: pounds@lewis-deh2.army.mil
(509) 577-3402**BOTH ONSITE AND CONTIGUOUS****Birds**Bald Eagle, *Haliaeetus leucocephalus* (T) Restrictions Expenditures**Plants**Basalt Daisy, *Erigeron basalticus* (C)**CONTIGUOUS****Birds**Peregrine Falcon, *Falco peregrinus* E(S/A)

Yuma Proving Ground

AMC

County: Yuma, Arizona**POC:** Junior D. Kerns

Conservation Program Office, AZ 85365-9107

Attn: STEYP-ES-C Email: jkerns@yuma.emh1.army.mil

(520) 328-2148

BOTH ONSITE AND CONTIGUOUS**Reptiles**Sonoran Population of the Desert Tortoise, *Gopherus agassizii* (Sonoran Population) T(S/A)

Expenditures

ONSITE**Plants**Nichol's Turk's Head Cactus, *Echinocactus horizonthalonius* var. *nicholii* (E) Expenditures**63rd RSC****65th RSC****77th RSC****88th RSC****90th RSC****94th RSC****96th RSC**

USARC

County: NA**POC:** c/o Tom Sinclair

HQ USARCOM, 3800 N. Camp Creek Pkway SW,

Atlanta, GA Attn: AFRC-ENP-NC

Email: sinclair@usarc-emh1.army.mil (404) 629-8217

No Species

References

- 16 U.S. Code (U.S.C.) 1536(a)(1); Army Regulation (AR) 420-74, Paragraph 6-2 *Natural Resource - Land, Forest, and Wildlife Management* (Headquarters, Department of the Army [HQDA], 25 February 1986); Federal Register (FR) 54:7539-7543, 265.7(B)(3)(b) [22 Feb 1989]:
- Schreiber, E.R., R.A. Shaw, A. Hill, and M.A. Reed, *Installation Summaries from the 1996 Survey of Threatened and Endangered species on Army Lands*, USACERL Technical Report 97/19 (December 1997).
- Shaw, R.A., E.R. Schreiber, and A. Hill, *The 1996 Survey of Threatened and Endangered species on Army lands: A Summary Report*, USACERL Technical Report 97/17 (December 1997).
- Shaw, R.A., and A. Hill, *Army-wide Threatened and Endangered Species Survey*, USACERL Technical Note 96-101 (USACERL, September 1996).
- Tazik, D.J., R.A. Sherman, and J.A. Courson, *Annotated Directory of Threatened and Endangered Wildlife on Selected U.S. Army Installations East of the Mississippi River*, USACERL Technical Report N-91/26 (USACERL, May 1991).

Appendix A: Federally Threatened, Endangered, Proposed, and Candidate Species, with Corresponding Installations

Abutilon sandwicense No Common Name (E) Plant
Schofield Barracks Military Reservation USARPAC

Achatinella apexfulva Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella bulimoides Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC

Achatinella byronii Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella curta Pupu Kuahiwi (E) Snail
Kahuku TA USARPAC

Achatinella decipiens Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella dimorpha Pupu Kuahiwi (E) Snail
Kahuku TA USARPAC

Achatinella leucorraphe Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella lila Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC

Achatinella livida Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC

Achatinella mustelina Pupu Kuahiwi (E) Snail
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella pulcherrima Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC

Achatinella rosea Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC

Achatinella sowerbyana Pupu Kuahiwi (E) Snail
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella swiftii Pupu Kuahiwi (E) Snail
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Achatinella valida Pupu Kuahiwi (E) Snail
Kahuku TA USARPAC

Acipenser brevirostrum Shortnose Sturgeon (E) Fish
Aberdeen Proving Ground AMC
Camp Smith, NY-ARNG NGB
Delaware ARNG NGB
Ft. Stewart & Hunter Army Airfield FORSCOM
Sunny Point, 1303D Major Port Command MTMC
West Point, US Military Academy USMA

Aconitum noveboracense Northern Wild Monkshood (T) Plant
Ravenna AAP AMC

Adenophorus periens No Common Name (E) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC

Alectryon macrococcus var. macrococcus Mahoe Ala'alahua (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Alligator mississippiensis American Alligator T(S/A) Reptile

Camp Blanding TS, FL-ARNG NGB
Ft. Benning TRADOC
Ft. Jackson TRADOC
Ft. Rucker TRADOC
Longhorn AAP AMC
Louisiana AAP AMC
Pine Bluff Arsenal AMC
Redstone Arsenal AMC
Sunny Point, 1303D Major Port Command MTMC

Alsinidendron obovatum No Common Name (E) Plant

Makua Military Reservation USARPAC

Alsinidendron trinerve No Common Name (E) Plant

Schofield Barracks Military Reservation USARPAC

Amaranthus pumilus Seabeach Amaranth (T) Plant

Sunny Point, 1303D Major Port Command MTMC

Amblyopsis rosae Ozark Cavefish (T) Fish

Camp Crowder, MO-NGB NGB

Ambystoma californiense (=A. tigrinum c.) No Common Name (C) Amphibian

Ft. Huachuca TRADOC
Ft. Hunter Liggett USARC

Anas wyvilliana Hawaiian Duck (E) Bird

Aahoaka & Wailua River LTA, HI-ARNG NGB
Anahola LTA, HI-ARNG NGB
Dillingham TA USARPAC
Keamuku LTA, HI-ARNG NGB
Kekaha LTA, HI-ARNG NGB

Anniella pulchra nigra California Black Legless Lizard (PE) Reptile

POM Annex TRADOC

Aphelocoma coerulescens (=A. c. coerulescens) Florida Scrub Jay (T) Bird

Camp Blanding TS, FL-ARNG NGB

Apios priceana Price's Potato Bean (T) Plant

Ft. Campbell FORSCOM
Redstone Arsenal AMC

Arctomecon humilis Dwarf Bearclaw Poppy (E) Plant

St. George Armory, UT-ARNG NGB

Asclepias meadii Mead's Milkweed (T) Plant

Camp Clark, MO-NGB NGB

Sunflower AAP AMC

Truman TS, MO-NGB NGB

Asplenium fragile var. insulare Fragile Fern (E) Plant

Pohakuloa TA USARPAC

Astragalus jaegerianus Lane Mountain Milk Vetch (C) Plant

Ft. Irwin FORSCOM

Banara vanderbiltii Palo de Ramon (E) Plant

Ft. Buchanan FORSCOM

Bonamia menziesii No Common Name (E) Plant

Makua Military Reservation USARPAC

Branchinecta lynchi Vernal Pool Fairy Shrimp (T) Crustacean

Camp Roberts, CA-ARNG NGB

Ft. Hunter Liggett USARC

Bufo microscaphus californicus Arroyo Southwestern Toad (E) Amphibian

Ft. Hunter Liggett USARC

Buteo solitarius Hawaiian (=Io) Hawk (E) Bird

Keamuku LTA, HI-ARNG NGB

Kekaha LTA, HI-ARNG NGB

Pohakuloa TA USARPAC

Pu'u Pa LTA, HI-ARNG NGB

Buxus vahliei Vahl Boxwood (E) Plant

Ft. Buchanan FORSCOM

Caesalpinia (=Mezoneuron) kawaiense Uhiuhi (E) Plant

Makua Military Reservation USARPAC

Canis lupus Gray Wolf (E) Mammal

Ft. McCoy USARC

Camp Ripley, MN-ARNG NGB

Caretta caretta Loggerhead Sea Turtle (T) Reptile

Sunny Point, 1303D Major Port Command MTMC

Cenchrus agrimonioides Kamanomano (=Sandbur, Agrimony) (PE) Plant

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Chamaesyce (=Euphorbia) deltoidea ssp. deltoidea Deltoid Spurge (E) Plant
Martinez Reserve Center USARC

Chamaesyce rockii Akoko (PE) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Charadrius alexandrinus nivosus Western Snowy Plover (T) Bird
POM Annex TRADOC

Charadrius melodus Piping Plover (T) Bird
Camp Grafton, ND-ARNG NGB
Ft. Riley FORSCOM
Sunny Point, 1303D Major Port Command MTMC

Charadrius montanus Mountain Plover (C) Bird
Dugway Proving Ground AMC
Ft. Carson FORSCOM
Pinon Canyon Maneuver Site FORSCOM
White Sands Missile Range AMC

Chasiempis sandwichensis ibidis Oahu 'Elepaio (C) Bird
Kahuku TA USARPAC
Kawailoa TA USARPAC
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Chelonia mydas Green Sea Turtle (T) Reptile
Sunny Point, 1303D Major Port Command MTMC

Chlorogalium purpureum var. purpureum Purple Amole (C) Plant
Ft. Hunter Liggett USARC

Chorizanthe pungens var. pungens Monterey Spineflower (T) Plant
POM Annex TRADOC

Chorizanthe robusta Robust Spineflower (E) Plant
POM Annex TRADOC

Cicindela puritana Puritan Tiger Beetle (T) Insect
Aberdeen Proving Ground AMC

Cirsium fontinale var. obispoense Chorro Creek Bog Thistle (E) Plant
Camp San Luis Obispo, CA-ARNG NGB

Clematis hirsutissima var. arizonica Arizona Leather Flower (C) Plant
Camp Navajo Military Reservation. AZ-ARNG NGB

Clemmys muhlenbergii Bog (Northern Population) Turtle (C) Reptile
Letterkenny Army Depot AMC
Picatinny Arsenal Tacom-ARDEC AMC

Colubrina oppositifolia Kauila (E) Plant
Keamuku LTA, HI-ARNG NGB
Pu'u Pa LTA, HI-ARNG NGB

Corvus hawaiiensis Alala Hawaiian Crow (E) Bird
Pohakuloa TA USARPAC

Coryphantha sneedii var. sneedii (=Escobaria s., Mammillaria s.) Sneed Pincushion Cactus (E)
Plant
Ft. Bliss TRADOC

Ctenitis squamigera Pauoa (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Cyanea acuminata Haha Oha (PE) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Cyanea grimesiana ssp. grimesiana Haha Oha (E) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Cyanea grimesiana ssp. obatae Haha Oha (E) Plant
Schofield Barracks Military Reservation USARPAC

Cyanea koolauensis Haha Oha (PE) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Cyanea longiflora Haha Oha (PE) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Cyanea superba ssp. superba Oha (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Cynomys parvidens Utah Prairie Dog (T) Mammal
Cedar City Armory, UT-ARNG NGB

Cyperus trachysanthos Pu'uka'a (PE) Plant
Dillingham TA USARPAC
Ft. Ruger, HI-ARNG NGB

Cyprinella caerulea Blue Shiner (T) Fish
Ft. McClellan TRADOC

Cyrtandra dentata Ha'iwale (PE) Plant
Kawailoa TA USARPAC

Cyrtandra subumbellata Ha'iwale (PE) Plant
Schofield Barracks Military Reservation USARPAC

Cyrtandra viridiflora Ha'iwale (PE) Plant
Kawailoa TA USARPAC

Daphnopsis hellerana No Common Name (E) Plant
Ft. Buchanan FORSCOM

Delissea subcordata `Oha (PE) Bird
Jefferson Proving Ground AMC
Kawailoa TA USARPAC
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Dendroica chrysoparia Golden-cheeked Warbler (E) Bird
Ft. Hood FORSCOM
Ft. Sam Houston MEDCOM

Dendroica kirtlandii Kirtland's Warbler (E) Bird
Camp Grayling, MI-ARNG NGB

Dermochelys coriacea Leatherback Sea Turtle (E) Reptile
Sunny Point, 1303D Major Port Command MTMC

Diellia falcata No Common Name (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Diplazium molokaiense No Common Name (E) Plant
Schofield Barracks Military Reservation USARPAC

Dromus dromas Dromedary Pearly Mussel (E) Clam
Ft. Campbell FORSCOM

Drymarchon corais couperi Eastern Indigo Snake (T) Reptile

Camp Blanding TS, FL-ARNG NGB

Ft. Stewart & Hunter Army Airfield FORSCOM

Dubautia herbstobatae Na'ena'e (E) Plant

Makua Military Reservation USARPAC

Echinacea laevigata Smooth Coneflower (E) Plant

Ft. Jackson TRADOC

Leesburg TS, SC-ARNG NGB

Radford AAP AMC

Echinocactus horizonthalonius var. nicholii Nichol's Turk's Head Cactus (E) Plant

Yuma Proving Ground AMC

Echinocereus fendleri var. kuenzleri Kuenzler Hedgehog Cactus (E) Plant

Ft. Bliss TRADOC

Empidonax traillii extimus Southwestern Willow Flycatcher (E) Bird

Clark County TS, NV-ARNG NGB

Ft. Bliss TRADOC

Ft. Huachuca TRADOC

White Sands Missile Range AMC

Epicrates inornatus Puerto Rican Boa (E) Reptile

Ft. Buchanan FORSCOM

Epioblasma walkeri Tan Riffleshell (E) Clam

Ft. Campbell FORSCOM

Eragrostis fosbergii Fosberg's Love Grass (PE) Plant

Schofield Barracks Military Reservation USARPAC

Erigeron basalticus Basalt Daisy (C) Plant

Yakima TC FORSCOM

Erigeron lemmonii Lemmon Fleabane (C) Plant

Ft. Huachuca TRADOC

Etheostoma cragini Arkansas Darter (C) Fish

Camp Crowder, MO-NGB NGB

Ft. Carson FORSCOM

Etheostoma sellare Maryland Darter (E) Fish

Aberdeen Proving Ground AMC

Eugenia koolauensis Nioi (E) Plant

Kahuku TA USARPAC

Kawailoa TA USARPAC

Euphilotes enoptes smithi Smith's Blue Butterfly (E) Insect

POM Annex TRADOC

Euphorbia haelealeana Akoko (PE) Plant

Makua Military Reservation USARPAC

Falco femoralis septentrionalis Northern Aplomado Falcon (E) Bird

Ft. Bliss TRADOC

White Sands Missile Range AMC

Falco peregrinus Peregrine Falcon E(S/A) Bird

Aberdeen Proving Ground AMC

Camp Navajo Military Reservation. AZ-ARNG NGB

Camp Smith, NY-ARNG NGB

Devens RFTA USARC

Ft. Campbell FORSCOM

Ft. Eustis TRADOC

Ft. Hood FORSCOM

Ft. Huachuca TRADOC

Ft. McCoy USARC

Ft. Riley FORSCOM

Sierra Army Depot AMC

Stead TS, NV-ARNG NGB

Sunflower AAP AMC

Sunny Point, 1303D Major Port Command MTMC

Yakima TC FORSCOM

Falco peregrinus anatum American Peregrine Falcon (E) Bird

Dugway Proving Ground AMC

Ft. Bliss TRADOC

Ft. Carson FORSCOM

Ft. Greely USARPAC

Ft. Hunter Liggett USARC

Ft. Richardson USARPAC

Ft. Wainwright USARPAC

Picatinny Arsenal Tacom-ARDEC AMC

Pinon Canyon Maneuver Site FORSCOM

Redstone Arsenal AMC

Tooele Army Depot AMC

White Sands Missile Range AMC

Felis concolor coryi Florida Panther (E) Mammal

Camp Blanding TS, FL-ARNG NGB

Felis concolor cougar Eastern Cougar (E) Mammal
Sunny Point, 1303D Major Port Command MTMC

Flueggea neowawraea Mehamame (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Fulica americana alai Hawaiian Coot (E) Bird
Dillingham TA USARPAC
Kekaha LTA, HI-ARNG NGB

Gallinula chloropus sandvicensis Hawaiian Gallinule (E) Bird
Aahoaka & Wailua River LTA, HI-ARNG NGB
Dillingham TA USARPAC
Kekaha LTA, HI-ARNG NGB

Gardenia mannii Nanu (PE) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Gilia tenuiflora ssp. arenaria Monterey Sand Gilia (E) Plant
POM Annex TRADOC

Gopherus agassizii Desert Tortoise (T) Reptile
Clark County TS, NV-ARNG NGB
Ft. Irwin FORSCOM

Gopherus agassizii Sonoran Population of the Desert Tortoise T(S/A) Reptile
Yuma Proving Ground AMC

Gopherus polyphemus Gopher Tortoise (T) Reptile
Camp Shelby, MS-ARNG NGB

Grus americana Whooping Crane (E) Bird
Ft. Hood FORSCOM

Gymnogyps californianus California Condor (E) Bird
Ft. Hunter Liggett USARC

Haliaeetus leucocephalus Bald Eagle (T) Bird
Aberdeen Proving Ground AMC
Adelphi Army Research Labs AMC
Atterbury Reserve Forces TA, IN-ARNG NGB
Camp Blanding TS, FL-ARNG NGB
Camp Crowder, MO-NGB NGB
Camp Grayling, MI-ARNG NGB

(Haliaeetus leucocephalus - Continued)

Camp Guernsey, WY-ARNG NGB
Camp Joseph T. Robinson, AR-ARNG NGB
Camp Murray, WA-ARNG NGB
Camp Navajo Military Reservation. AZ-ARNG NGB
Camp Ripley, MN-ARNG NGB
Camp Roberts, CA-ARNG NGB
Camp Smith, NY-ARNG NGB
Devens RFT.A USARC
Dugway Proving Ground AMC
Ft. Knox TRADOC
Ft. A.P. Hill MDW
Ft. Belvoir MDW
Ft. Benning TRADOC
Ft. Bliss TRADOC
Ft. Campbell FORSCOM
Ft. Carson FORSCOM
Ft. Eustis TRADOC
Ft. Gordon TRADOC
Ft. Hood FORSCOM
Ft. Hunter Liggett USARC
Ft. Jackson TRADOC
Ft. Lee TRADOC
Ft. Lewis FORSCOM
Ft. McCoy USARC
Ft. Pickett USARC
Ft. Riley FORSCOM
Ft. Rucker TRADOC
Ft. Stewart & Hunter Army Airfield FORSCOM
Holston AAP AMC
Macon TS, MO-NGB NGB
Newport Chemical Depot AMC
Picatinny Arsenal Tacom-ARDEC AMC
Pine Bluff Arsenal AMC
Pinon Canyon Maneuver Site FORSCOM
Redstone Arsenal AMC
Rock Island Arsenal AMC
Savanna Army Depot Activity AMC
Skelton TS, MO-NGB NGB
Stead TS, NV-ARNG NGB
Sunflower AAP AMC
Sunny Point, 1303D Major Port Command MTMC
Tooele Army Depot AMC
Truman TS, MO-NGB NGB
Twin Cities AAP AMC
Wappapello TS, MO-NGB NGB
West Point, US Military Academy USMA
White Sands Missile Range AMC
Yakima TC FORSCOM

Haplostachys haplostachya No Common Name (E) Plant

Keamuku LTA, HI-ARNG NGB

Pohakuloa TA USARPAC

Hedeoma todsenii Todsen's Pennyroyal (E) Plant

Ft. Bliss TRADOC

White Sands Missile Range AMC

Hedyotis coriacea Kio'ele (E) Plant

Pohakuloa TA USARPAC

Hedyotis parvula No Common Name (E) Plant

Makua Military Reservation USARPAC

Helianthus eggertii Eggert's Sunflower (PT) Plant

Tullahoma TS, TN-ARNG NGB

Helonias bullata Swamp Pink (T) Plant

Ft. A.P. Hill MDW

Hemignathus munroi (=wilsoni) `Akiapola`au (Honeycreeper) (E) Bird

Pohakuloa TA USARPAC

Hesperomannia arborescens No Common Name (E) Plant

Kahuku TA USARPAC

Kawailoa TA USARPAC

Schofield Barracks Military Reservation USARPAC

Hibiscus brackenridgei ssp. mokuleianus Ma'o Hau Hele (E) Plant

Dillingham TA USARPAC

Himantopus mexicanus (=himantopus) knudseni Hawaiian (=Ae`o) Stilt (E) Bird

Dillingham TA USARPAC

Kekaha LTA, HI-ARNG NGB

Howellia aquatilis Water Howellia (T) Plant

Ft. Lewis FORSCOM

Hymenoxys texana Texas Prairie Dawn-flower (=Texas Bitterweed) (E) Plant

Addicks Reservoir, TX-ARNG NGB

Isodendrion hosakae Aupaka (E) Plant

Keamuku LTA, HI-ARNG NGB

Isodendrion laurifolium Aupaka (PE) Plant

Schofield Barracks Military Reservation USARPAC

Isoetes louisianensis Louisiana Quillwort (E) Plant
Camp Shelby, MS-ARNG NGB

Isotria medeoloides Small Whorled Pogonia (T) Plant
Ft. A.P. Hill MDW
Regional Training Institute, NH-ARNG NGB

Labordia cyrtandrae Kamakahala (PE) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Lampsilis abrupta (=orbiculata) Pink Mucket Pearlymussel (E) Clam
Ft. Campbell FORSCOM
Skelton TS, MO-NGB NGB
Wappapello TS, MO-NGB NGB

Lampsilis higginsii Higgins' Eye Pearlymussel (E) Clam
Savanna Army Depot Activity AMC

Lasiurus cinereus semotus Hawaiian Hoary Bat (E) Mammal
Aahoaka & Wailua River LTA, HI-ARNG NGB
Kawailoa TA USARPAC
Keamuku LTA, HI-ARNG NGB
Keaukaha Military Reservation, HI-ARNG NGB
Kekaha LTA, HI-ARNG NGB
Pohakuloa TA USARPAC
Pu'u Pa LTA, HI-ARNG NGB
Schofield Barracks Military Reservation USARPAC

Lepidium arbuscula Anaunau (PE) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Lepidochelys kempii Kemp's (=Atlantic) Ridley Sea Turtle (E) Reptile
Sunny Point, 1303D Major Port Command MTMC

Leptonycteris curasoae (=sanborni) yerbabuenae Lesser (=Sanborn's) Long-nosed Bat (E) Mammal
Ft. Huachuca TRADOC

Lespedeza leptostachya Prairie Bush Clover (T) Plant
Badger AAP AMC

Lilaeopsis schaffneriana ssp. recurva Huachuca Water-umbel (PE) Plant
Ft. Huachuca TRADOC

Lindera melissifolia Pondberry (E) Plant
Wappapello TS, MO-NGB NGB

Lipochaeta lobata var. leptophylla Nehe (E) Plant
Schofield Barracks Military Reservation USARPAC

Lipochaeta tenuifolia Nehe (E) Plant
Makua Military Reservation USARPAC

Lipochaeta venosa No Common Name (E) Plant
Keamuku LTA, HI-ARNG NGB
Pu'u Pa LTA, HI-ARNG NGB

Lobelia gaudichaudii ssp. koolauensis Haha Oha (PE) Plant
Kawailoa TA USARPAC

Lobelia niihauensis Haha Oha (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Lobelia oahuensis Haha Oha (E) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Loxioides bailleui Palila (E) Bird
Pohakuloa TA USARPAC

Loxops coccineus coccineus Hawaii 'Akepa (E) Bird
Keamuku LTA, HI-ARNG NGB
Pohakuloa TA USARPAC
Pu'u Pa LTA, HI-ARNG NGB

Lycaeides melissa samuelis Karner Blue Butterfly (E) Insect
Ft. McCoy USARC
State Military Reservation, NH-ARNG NGB

Lycopodium nutans Wawae'Iole (E) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Lysimachia asperulaefolia Rough-leaved Loosestrife (E) Plant
Ft. Bragg FORSCOM
Ft. Jackson TRADOC
Leesburg TS, SC-ARNG NGB
Sunny Point, 1303D Major Port Command MTMC

Macrhybopsis (=Hybopsis) gelida Sturgeon Chub (C) Fish

Ft. Riley FORSCOM

Skelton TS, MO-NGB NGB

Macrhybopsis meeki Sicklefim Chub (C) Fish

Skelton TS, MO-NGB NGB

Manduca blackburni Blackburn's Sphinx Moth (C) Insect

Kanaio LTA, HI-ARNG NGB

Marshallia mohrii Mohr's Barbara Buttons (T) Plant

Ft. McClellan TRADOC

Melicope lydgatei Alani (E) Plant

Kawailoa TA USARPAC

Monachus schauinslandi Hawaiian Monk Seal (E) Mammal

Dillingham TA USARPAC

Mycteria americana Wood Stork (E) Bird

Camp Blanding TS, FL-ARNG NGB

Ft. Benning TRADOC

Ft. Gordon TRADOC

Ft. Stewart & Hunter Army Airfield FORSCOM

Sunny Point, 1303D Major Port Command MTMC

Myotis grisescens Gray Bat (E) Mammal

Camp Crowder, MO-NGB NGB

Ft. Knox TRADOC

Ft. Campbell FORSCOM

Ft. McClellan TRADOC

Ft. Rucker TRADOC

Indiana AAP AMC

Redstone Arsenal AMC

Skelton TS, MO-NGB NGB

Truman TS, MO-NGB NGB

Tullahoma TS, TN-ARNG NGB

Western Kentucky TS NGB

Myotis sodalis Indiana Bat (E) Mammal

Ft. Knox TRADOC

Ft. Campbell FORSCOM

Indiana AAP AMC

Jefferson Proving Ground AMC

Macon TS, MO-NGB NGB

Picatinny Arsenal Tacom-ARDEC AMC

Ravenna AAP AMC

Savanna Army Depot Activity AMC

Myrsine juddii Kolea (PE) Plant

Kawailoa TA USARPAC

Neonympha mitchellii francisci Saint Francis' Satyr Butterfly (E) Insect

Ft. Bragg FORSCOM

Neraudia angulata var. angulata Ma'aloa (E) Plant

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Neraudia angulata var. dentata Ma'aloa (E) Plant

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Neraudia ovata Ma'aloa (PE) Plant

Pohakuloa TA USARPAC

Nerodia erythrogaster neglecta Northern Copperbelly Water Snake (PT) Reptile

Ft. Campbell FORSCOM

Nesochen (=Branta) sandvicensis Hawaiian (=Nene) Goose (E) Bird

Keamuku LTA, HI-ARNG NGB

Kekaha LTA, HI-ARNG NGB

Pohakuloa TA USARPAC

Nicrophorus americanus American Burying Beetle (E) Insect

Camp Crowder, MO-NGB NGB

Camp Gruber, OK-ARNG NGB

Ft. Chaffee TRADOC

McAlester AAP AMC

Nothocestrum breviflorum Aiea (E) Plant

Keamuku LTA, HI-ARNG NGB

Pu'u Pa LTA, HI-ARNG NGB

Nototrichium humile Kulu'i (E) Plant

Dillingham TA USARPAC

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Notropis topeka (=tristis) Topeka Shiner (C) Fish

Ft. Riley FORSCOM

Skelton TS, MO-NGB NGB

Obovaria retusa Ring Pink (E) Clam

Ft. Campbell FORSCOM

Oncorhynchus clarki stomias Greenback Cutthroat Trout (T) Fish
Ft. Carson FORSCOM

Oreomystis (=Loxops) mana Hawaii Creeper (E) Bird
Keamuku LTA, HI-ARNG NGB
Pohakuloa TA USARPAC
Pu'u Pa LTA, HI-ARNG NGB

Ottoschulzia rhodoxylon Palo de Rosa (E) Plant
Ft. Buchanan FORSCOM

Palaemonias alabamiae Alabama Cave Shrimp (E) Crustacean
Redstone Arsenal AMC

Paroreomyza (=Oreomystis, =Loxops) flammea Molokai (=Kakawahie) Creeper (E) Bird
Kawailoa TA USARPAC
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Phyllostegia hirsuta No Common Name (PE) Plant
Kahuku TA USARPAC
Schofield Barracks Military Reservation USARPAC
Kawailoa TA USARPAC

Phyllostegia mollis No Common Name (E) Plant
Schofield Barracks Military Reservation USARPAC

Phyllostegia parviflora var. parviflora No Common Name (E) Plant
Kawailoa TA USARPAC

Picoides (=Dendrocopos) borealis Red-cockaded Woodpecker (E) Bird
Camp Beauregard, LA-ARNG NGB
Camp Blanding TS, FL-ARNG NGB
Camp Shelby, MS-ARNG NGB
Ft. Benning TRADOC
Ft. Bragg FORSCOM
Ft. Gordon TRADOC
Ft. Jackson TRADOC
Ft. McClellan TRADOC
Ft. Polk FORSCOM
Ft. Stewart & Hunter Army Airfield FORSCOM
Leesburg TS, SC-ARNG NGB
Sunny Point, 1303D Major Port Command MTMC

Piperia yadonii Yadon's Piperia (PE) Plant
POM Annex TRADOC
Presidio of Monterey (POM) TRADOC

Plantago princeps var. longibracteata Laukahi Kuahiwi (E) Plant
Kawailoa TA USARPAC

Plantago princeps var. princeps Laukahi Kuahiwi (E) Plant
Makua Military Reservation USARPAC

Platanthera holochila No Common Name (PE) Plant
Kawailoa TA USARPAC

Plethobasus cooperianus Orange Footed Pearly Mussel (E) Clam
Ft. Campbell FORSCOM

Pleurobema plenum Rough Pigtoe (E) Clam
Ft. Campbell FORSCOM

Polygyriscus virginianus Virginia Fringed Mountain Snail (E) Snail
Radford AAP AMC

Portulaca sclerocarpa Po'e (E) Plant
Keamuku LTA, HI-ARNG NGB
Pohakuloa TA USARPAC
Pu'u Pa LTA, HI-ARNG NGB

Pritchardia kaalae Loulu (PE) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Psittirostra psittacea O'u (E) Bird
Pohakuloa TA USARPAC

Pteris lidgatei No Common Name (E) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Pterodroma phaeopygia sandwichensis Hawaiian Dark-rumped Petrel (E) Bird
Kanaio LTA, HI-ARNG NGB
Pohakuloa TA USARPAC

Ptilimnium nodosum Harperella (E) Plant
Lil Aaron Straus Wilderness Area, MD-ARNG NGB

Puffinus auricularis (=puffinus) newelli Newell's Townsend's (Formerly Manx) (=A'o) Shearwater
(T) Bird
Aahoaka & Wailua River LTA, HI-ARNG NGB

Pyrgulopsis thompsoni Huachuca Springsnail (C) Snail
Ft. Huachuca TRADOC

Quadrula fragosa Winged Mapleleaf Mussel (E) Clam
Ft. Campbell FORSCOM

Rana aurora draytoni California Red-legged Frog (PE) Amphibian
Camp San Luis Obispo, CA-ARNG NGB
Ft. Hunter Liggett USARC
Parks RFTA USARC
POM Annex TRADOC

Rana pretiosa Spotted Frog (C) Amphibian
Dugway Proving Ground AMC
Ft. Lewis FORSCOM

Rana subaquavocalis Ramsey Canyon Leopard Frog (C) Amphibian
Ft. Huachuca TRADOC

Rhododendron chapmanii Chapman's Rhododendron (E) Plant
Camp Blanding TS, FL-ARNG NGB

Rhus michauxii Michaux's Sumac (E) Plant
Ft. Bragg FORSCOM
Ft. Pickett USARC

Rollandia crispa [Cyanea crispa] Haha Oha (E) Plant
Kawailoa TA USARPAC

Rumex orthoneurus Blumer's Dock (C) Plant
Ft. Huachuca TRADOC

Salvelinus confluentus Bull Trout (C) Fish
Ft. Lewis FORSCOM

Sanicula mariversa No Common Name (E) Plant
Makua Military Reservation USARPAC

Sanicula purpurea No Common Name (PE) Plant
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Scaphirhynchus albus Pallid Sturgeon (E) Fish
Skelton TS, MO-NGB NGB

Schiedea hookeri No Common Name (PE) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Schiedea kealiae Ma`oli`oli (PE) Plant

Dillingham TA USARPAC

Schiedea nuttallii No Common Name (PE) Plant

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Schwalbea americana American Chaffseed (E) Plant

Ft. Bragg FORSCOM

Scutellaria montana Large-flowered Skullcap (E) Plant

Volunteer AAP AMC

Sesbania tomentosa Ohai (E) Plant

Kanaio LTA, HI-ARNG NGB

Silene hawaiiensis Hawaiian Catchfly (T) Plant

Pohakuloa TA USARPAC

Silene lanceolata Lanceleaf Catchfly (E) Plant

Makua Military Reservation USARPAC

Pohakuloa TA USARPAC

Solanum incompletum Spiny Popolo (E) Plant

Pohakuloa TA USARPAC

Solanum sandwicense Popolo `Aiakeakua (E) Plant

Kahuku TA USARPAC

Schofield Barracks Military Reservation USARPAC

Solidago houghtonii Houghton's Goldenrod (T) Plant

Camp Grayling, MI-ARNG NGB

Spermolepis hawaiiensis Hawaiian Parsley (E) Plant

Makua Military Reservation USARPAC

Pohakuloa TA USARPAC

Speyeria zerene hippolyta Oregon Silverspot Butterfly (T) Insect

Camp Rilea, OR-ARNG NGB

Spiranthes diluvialis Ute Ladies'-tresses (T) Plant

Dugway Proving Ground AMC

Ft. Carson FORSCOM

Stenogyne angustifolia No Common Name (E) Plant

Pohakuloa TA USARPAC

Pu'u Pa LTA, HI-ARNG NGB

Stenogyne kanehoana No Common Name (E) Plant
Schofield Barracks Military Reservation USARPAC

Sterna antillarum Least Tern (E) Bird
Ft. Riley FORSCOM
Skelton TS, MO-NGB NGB

Sterna dougallii dougallii Roseate Tern (E) Bird
Sunny Point, 1303D Major Port Command MTMC

Strix occidentalis caurina Northern Spotted Owl (T) Bird
Ft. Lewis FORSCOM

Strix occidentalis lucida Mexican Spotted Owl (T) Bird
Camp Navajo Military Reservation. AZ-ARNG NGB
Ft. Bliss TRADOC
Ft. Carson FORSCOM
Ft. Huachuca TRADOC
White Sands Missile Range AMC

Tetramolopium arenarium Mauna Kea Pamakani (E) Plant
Pohakuloa TA USARPAC
Keamuku LTA, HI-ARNG NGB
Pu'u Pa LTA, HI-ARNG NGB

Tetramolopium filiforme var. polyphyllum No Common Name (E) Plant
Makua Military Reservation USARPAC

Tetramolopium lepidotum ssp. lepidotum No Common Name (E) Plant
Makua Military Reservation USARPAC
Schofield Barracks Military Reservation USARPAC

Tetraplasandra gymnocarpa `Ohe`ohe (E) Plant
Kahuku TA USARPAC
Kawailoa TA USARPAC
Schofield Barracks Military Reservation USARPAC

Thalictrum cooleyi Cooley's Meadowrue (E) Plant
Sunny Point, 1303D Major Port Command MTMC

Trichechus manatus West Indian (=Florida) Manatee (E) Mammal
Sunny Point, 1303D Major Port Command MTMC

Trifolium stoloniferum Running Buffalo Clover (E) Plant
Bluegrass Army Depot AMC

Trillium reliquum Relict Trillium (E) Plant

Ft. Benning TRADOC

Urera kaalae Opuhe (E) Plant

Schofield Barracks Military Reservation USARPAC

Ursus americanus floridanus Florida Black Bear (C) Mammal

Camp Blanding TS, FL-ARNG NGB

Vigna o-wahuensis No Common Name (E) Plant

Keamuku LTA, HI-ARNG NGB

Viola chamissoniana ssp. chamissoniana Pamakani (E) Plant

Makua Military Reservation USARPAC

Schofield Barracks Military Reservation USARPAC

Viola oahuensis No Common Name (PE) Plant

Kawailoa TA USARPAC

Schofield Barracks Military Reservation USARPAC

Vireo atricapillus Black-capped Vireo (E) Bird

Camp Barkeley, TX-ARNG NGB

Ft. Hood FORSCOM

Ft. Sam Houston MEDCOM

Ft. Sill TRADOC

Vireo bellii pusillus Least Bell's Vireo (E) Bird

Camp San Luis Obispo, CA-ARNG NGB

Ft. Hunter Liggett USARC

Vulpes macrotis mutica San Joaquin Kit Fox (E) Mammal

Camp Roberts, CA-ARNG NGB

Ft. Hunter Liggett USARC

Parks RFTA USARC

Vulpes velox Swift Fox (C) Mammal

Pinon Canyon Maneuver Site FORSCOM

Xyris tennesseensis Tennessee Yellow-eyed Grass (E) Plant

Anniston Army Depot AMC

Ft. McClellan TRADOC

Zanthoxylum hawaiiense A'e (E) Plant

Keamuku LTA, HI-ARNG NGB

Pohakuloa TA USARPAC

Appendix B-1: T&E Species with Critical Habitat, by Scientific Name

Scientific Name	Common Name	Occurrence	Installation	MACOM
<i>Gopherus agassizii</i>	Desert Tortoise	Both	Ft. Irwin	FORSCOM
<i>Loxioides bailleui</i>	Palila	Both	Pohakuloa TA	USARPAC
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	Onsite	Camp Rilea	NGB
<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Onsite	Ft. Lewis	FORSCOM
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Both	Camp Navajo Military Reservation	NGB
		Both	Ft. Huachuca	TRADOC

Appendix B-2: Installations that have T&E Species with Critical Habitat

Installation	MACOM	Scientific Name	Common Name	Occurrence
Camp Navajo Military Reservation	NGB	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Both
Camp Rilea	NGB	<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	Onsite
Ft. Huachuca	TRADOC	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Both
Ft. Irwin	FORSCOM	<i>Gopherus agassizii</i>	Desert Tortoise	Both
Ft. Lewis	FORSCOM	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Onsite
Pohakuloa TA	USARPAC	<i>Loxioides bailleui</i>	Palila	Both

Appendix C-1: Listing of T&E Species that have had a Biological Assessment

Scientific Name	Common Name	Occur	Installation	MACOM	Assess	No affect	May affect	Non- Jeop	Jeop
<i>Achatinella mustelina</i>	Pupu Kuahiwi	Both	Makua Military Reservation	USARPAC	1	0	1	0	1
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	1	1	0	0	0
		Both	West Point	USMA	1	1	0	0	0
<i>Anas wyvilliana</i>	Hawaiian Duck	Onsite	Aahoaka & Wailua River LTA	NGB	1	NR	NR	NR	NR
		Both	Anahola LTA	NGB	1	NR	NR	NR	NR
		Cont.	Kekaha LTA	NGB	1	NR	NR	NR	NR
<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	Both	St. George Armory	NGB	2	2	0	0	0
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	Onsite	Ft. Hunter Liggett	USARC	2	0	2	2	0
<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	Onsite	Ft. Hunter Liggett	USARC	1	0	1	1	0
<i>Buteo solitarius</i>	Hawaiian Hawk	Onsite	Kekaha LTA	NGB	1	NR	NR	NR	NR
		Both	Pohakuloa TA	USARPAC	1	1	0	1	0
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	Both	Pom Annex	TRADOC	1	NR	NR	1	NR
<i>Chorizanthe pungens var. pungens</i>	Monterey Spineflower	Both	Pom Annex	TRADOC	1	NR	NR	1	NR
<i>Chorizanthe robusta</i>	Robust Spineflower	Both	Pom Annex	TRADOC	1	NR	NR	1	NR
<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	Cont.	Pohakuloa TA	USARPAC	2	2	0	2	0
<i>Cyprinella caerulea</i>	Blue Shiner	Both	Ft. McClellan	TRADOC	1	1	0	0	0
<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	Both	Ft. Hood	FORSCOM	1	0	1	1	0
		Both	Ft. Sam Houston	MEDCOM	1	NR	NR	1	NR
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	Both	Camp Grayling	NGB	2	1	1	2	0
<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	1	1	0	0	0
<i>Echinacea laevigata</i>	Smooth Coneflower	Onsite	Ft. Jackson	TRADOC	3	3	0	0	0
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	Both	Pom Annex	TRADOC	1	NR	NR	1	NR
<i>Falco peregrinus</i>	Peregrine Falcon	Both	Camp Navajo Military Reservation	NGB	2	0	2	NR	NR
		Cont.	Camp Smith	NGB	1	NR	NR	NR	NR
		Both	Ft. Hood	FORSCOM	1	1	0	NR	0
		Both	Stead TS	NGB	1	NR	NR	NR	NR
		Cont.	Yakima TC	FORSCOM	1	0	1	0	0

Scientific Name	Common Name	Occur	Installation	MACOM	Assess	No affect	May affect	Non- Jeop	Jeop
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Both	Ft. Hunter Liggett	USARC	1	1	0	0	0
<i>Fulica americana alai</i>	Hawaiian Coot	Cont.	Kekaha LTA	NGB	1	NR	NR	NR	NR
<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	Onsite	Aahoaka & Wailua River LTA	NGB	1	NR	NR	NR	NR
		Cont.	Kekaha LTA	NGB	1	NR	NR	NR	NR
<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Sand Gilia	Both	Pom Annex	TRADOC	1	NR	NR	1	NR
<i>Gopherus agassizii</i>	Desert Tortoise	Both	Clark County TS	NGB	2	0	2	2	2
		Both	Ft. Irwin	FORSCOM	3	3	0	2	0
<i>Gopherus polyphemus</i>	Gopher Tortoise	Both	Camp Shelby	NGB	4	0	0	1	0
<i>Grus americana</i>	Whooping Crane	Both	Ft. Hood	FORSCOM	1	0	1	1	0
<i>Gymnogyps californianus</i>	California Condor	Cont.	Ft. Hunter Liggett	USARC	1	0	1	1	0
<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	Aberdeen Proving Ground	AMC	3	3	0	6	0
		Both	Camp Grayling	NGB	2	1	1	2	0
		Both	Camp Navajo Military Reservation	NGB	6	6	0	2	0
		Onsite	Camp Ripley	NGB	1	1	0	0	0
		Both	Camp Roberts	NGB	1	1	0	0	0
		Cont.	Camp Smith	NGB	1	NR	NR	NR	NR
		Both	Ft. Belvoir	MDW	1	1	0	0	0
		Both	Ft. Benning	TRADOC	1	1	0	0	0
		Both	Ft. Hood	FORSCOM	1	0	1	1	0
		Both	Ft. Hunter Liggett	USARC	2	0	2	2	0
		Both	Ft. Lewis	FORSCOM	2	2	0	0	0
		Both	Ft. Riley	FORSCOM	4	3	1	NR	NR
		Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	1	1	0	0	0
		Both	Holston AAP	AMC	1	1	0	0	0
		Both	Newport Chemical Depot	AMC	2	1	1	2	0
		Both	Stead TS	NGB	1	NR	NR	NR	NR
		Both	Twin Cities AAP	AMC	1	NR	NR	NR	NR
		Cont.	Wappapello TS	NGB	1	1	0	0	0
		Both	West Point	USMA	1	1	0	0	0
		Both	Yakima TC	FORSCOM	2	1	1	2	0
<i>Haplostachys haplostachya</i>	No Common Name	Both	Pohakuloa TA	USARPAC	3	1	2	1	2
<i>Hemignathus munroi</i>	'Akiapola' Au	Both	Pohakuloa TA	USARPAC	1	1	0	1	0
<i>Himantopus mexicanus</i>	Hawaiian Stilt	Cont.	Kekaha LTA	NGB	1	NR	NR	NR	NR
<i>Howellia aquatilis</i>	Water Howellia	Both	Ft. Lewis	FORSCOM	1	1	0	0	0
<i>Isotria medeoloides</i>	Small Whorled Pogonia	Cont.	Regional Training Institute	NGB	1	1	0	0	0
<i>Lampsilis abrupta</i>	Pink Mucket Pearl mussel	Cont.	Wappapello TS	NGB	1	1	0	0	0

Scientific Name	Common Name	Occur	Installation	MACOM	Assess	No affect	May affect	Non- Jeop	Jeop
<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	Both	Aahoaka & Wailua River LTA	NGB	1	NR	NR	NR	NR
		Onsite	Keaukaha Military Reservation	NGB	1	NR	NR	NR	NR
		Both	Kekaha LTA	NGB	1	NR	NR	NR	NR
		Both	Pohakuloa TA	USARPAC	1	1	0	1	0
<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-Nosed Bat	Both	Ft. Huachuca	TRADOC	1	1	0	0	0
<i>Lespedeza leptostachya</i>	Prairie Bush Clover	Cont.	Badger AAP	AMC	1	0	0	0	0
<i>Lindera melissifolia</i>	Pondberry	Cont.	Wappapello TS	NGB	1	1	0	0	0
<i>Loxioides bailleui</i>	Palila	Both	Pohakuloa TA	USARPAC	3	2	1	2	1
<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	Cont.	Pohakuloa TA	USARPAC	1	1	0	1	0
<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	Both	Ft. McCoy	USARC	8	1	2	1	0
		Cont.	State Military Reservation	NGB	2	2	0	0	0
<i>Lysimachia asperulaefolia</i>	Rough-leaved	Both	Ft. Bragg	FORSCOM	34	33	1	0	1
	Loosestrife	Onsite	Ft. Jackson	TRADOC	3	3	0	0	0
<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	Onsite	Ft. McClellan	TRADOC	1	1	0	0	0
<i>Mycteria americana</i>	Wood Stork	Both	Ft. Benning	TRADOC	1	1	0	0	0
		Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	1	1	0	0	0
<i>Myotis grisescens</i>	Gray Bat	Both	Ft. McClellan	TRADOC	1	1	0	0	0
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	Onsite	Ft. Bragg	FORSCOM	11	11	0	0	0
<i>Nesochen sandvicensis</i>	Hawaiian Goose	Both	Kekaha LTA	NGB	1	NR	NR	NR	NR
		Both	Pohakuloa TA	USARPAC	1	0	1	0	1
<i>Nicrophorus americanus</i>	American Burying Beetle	Both	Camp Gruber	NGB	1	0	1	1	0
		Both	Ft. Chaffee	TRADOC	1	0	1	1	0
		Both	McAlester AAP	AMC	1	1	0	1	0
<i>Picoides borealis</i>	Red-cockaded Woodpecker	Cont.	Camp Beauregard	NGB	1	0	0	0	1
		Onsite	Ft. Benning	TRADOC	1	0	1	0	1
		Both	Ft. Bragg	FORSCOM	37	28	9	6	3
		Onsite	Ft. Jackson	TRADOC	2	2	0	0	0
		Cont.	Ft. McClellan	TRADOC	1	1	0	0	0
		Both	Ft. Polk	FORSCOM	5	5	0	3	0
		Onsite	Ft. Stewart & Hunter Army Airfield	FORSCOM	4	2	2	NR	2
		Both	Sunny Point	MTMC	8	4	3	6	2
<i>Pterodroma phaeopygia sandwichensis</i>	Hawaiian Dark-Rumped Petrel	Onsite	Kanaio LTA	NGB	1	NR	NR	NR	NR
		Cont.	Pohakuloa TA	USARPAC	1	1	0	1	0
<i>Puffinus auricularis newelli</i>	Newell's Townsend's Shearwater	Both	Aahoaka & Wailua River LTA	NGB	1	NR	NR	NR	NR
<i>Rhus michauxii</i>	Michaux's Sumac	Both	Ft. Bragg	FORSCOM	34	33	1	0	1

Scientific Name	Common Name	Occur	Installation	MACOM	Assess	No affect	May affect	Non- Jeop	Jeop
<i>Schwalbea americana</i>	American Chaffseed	Both	Ft. Bragg	FORSCOM	29	29	0	0	0
<i>Scutellaria montana</i>	Large-flowered Skullcap	Onsite	Volunteer AAP	AMC	1	1	0	0	0
<i>Sesbania tomentosa</i>	Ohai	Onsite	Kanaio LTA	NGB	2	1	0	1	0
<i>Solidago houghtonii</i>	Houghton's Goldenrod	Both	Camp Grayling	NGB	2	2	0	0	0
<i>Stenogyne angustifolia</i>	No Common Name	Onsite	Pohakuloa TA	USARPAC	3	1	2	1	2
<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Onsite	Ft. Lewis	FORSCOM	3	2	1	1	0
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Both	Camp Navajo Military Reservation	NGB	1	0	1	NR	NR
<i>Trifolium stoloniferum</i>	Running Buffalo Clover	Both	Bluegrass Army Depot	AMC	1	1	0	0	0
<i>Trillium reliquum</i>	Relict Trillium	Onsite	Ft. Benning	TRADOC	1	1	0	0	0
<i>Vireo atricapillus</i>	Black-capped Vireo	Both	Camp Barkeley	NGB	2	2	0	0	0
		Both	Ft. Hood	FORSCOM	1	0	1	1	0
		Both	Ft. Sill	TRADOC	1	0	1	0	0
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	Both	Ft. Hunter Liggett	USARC	1	1	0	0	0
<i>Vulpes macrotis mutica</i>	San Joaquin Kit	Both	Camp Roberts	NGB	7	NR	2+	7	0
	Fox	Both	Ft. Hunter Liggett	USARC	5	0	5	4	1
<i>Xyris tennesseensis</i>	Tennessee	Both	Anniston Army Depot	AMC	1	1	0	0	0
	Yellow-eyed Grass	Both	Ft. McClellan	TRADOC	2	2	0	0	0

Appendix C-2: Listing of Installations that have Species with Biological Assessments

Installation	MACOM	Scientific Name	Common Name	Occur	Assess	No affect	May affect	Non- Jeop	Jeop
Aahoaka & Wailua River LTA	NGB	<i>Anas wyvilliana</i>	Hawaiian Duck	Onsite	1	NR	NR	NR	NR
		<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	Onsite	1	NR	NR	NR	NR
		<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	Both	1	NR	NR	NR	NR
		<i>Puffinus auricularis newelli</i>	Newell's Townsend's Shearwater	Both	1	NR	NR	NR	NR
Aberdeen Proving Ground	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	3	3	0	6	0
Anahola LTA	NGB	<i>Anas wyvilliana</i>	Hawaiian Duck	Both	1	NR	NR	NR	NR
Anniston Army Depot	AMC	<i>Xyris tennesseensis</i>	Tennessee	Both	1	1	0	0	0
			Yellow-eyed Grass						
Badger AAP	AMC	<i>Lespedeza leptostachya</i>	Prairie Bush Clover	Cont.	1	0	0	0	0
Bluegrass Army Depot	AMC	<i>Trifolium stoloniferum</i>	Running Buffalo	Both	1	1	0	0	0
			Clover						
Camp Barkeley	NGB	<i>Vireo atricapillus</i>	Black-capped Vireo	Both	2	2	0	0	0
Camp Beauregard	NGB	<i>Picoides borealis</i>	Red-cockaded	Cont.	1	0	0	0	1
			Woodpecker						
Camp Grayling	NGB	<i>Dendroica kirtlandii</i>	Kirtland's Warbler	Both	2	1	1	2	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	2	1	1	2	0
		<i>Solidago houghtonii</i>	Houghton's	Both	2	2	0	0	0
			Goldenrod						
Camp Gruber	NGB	<i>Nicrophorus americanus</i>	American Burying	Both	1	0	1	1	0
			Beetle						
Camp Navajo Military Reservation	NGB	<i>Falco peregrinus</i>	Peregrine Falcon	Both	2	0	2	NR	NR
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	6	6	0	2	0
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Both	1	0	1	NR	NR
Camp Ripley	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Onsite	1	1	0	0	0
Camp Roberts	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0
		<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	Both	7	NR	2+	7	0
Camp Shelby	NGB	<i>Gopherus polyphemus</i>	Gopher Tortoise	Both	4	0	0	1	0
Camp Smith	NGB	<i>Falco peregrinus</i>	Peregrine Falcon	Cont.	1	NR	NR	NR	NR
			Bald Eagle	Cont.	1	NR	NR	NR	NR
Clark County TS	NGB	<i>Gopherus agassizii</i>	Desert Tortoise	Both	2	0	2	2	2
Ft. Belvoir	MDW	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0

Installation	MACOM	Scientific Name	Common Name	Occur	Assess	No affect	May affect	Non- Jeop	Jeop
Ft. Benning	TRADOC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0
		<i>Mycteria americana</i>	Wood Stork	Both	1	1	0	0	0
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	Onsite	1	0	1	0	1
		<i>Trillium reliquum</i>	Relict Trillium	Onsite	1	1	0	0	0
Ft. Bragg	FORSCOM	<i>Lysimachia</i>	Rough-leaved	Both	34	33	1	0	1
		<i>asperulaefolia</i>	Loosestrife						
		<i>Neonympha mitchellii</i>	Saint Francis' Satyr	Onsite	11	11	0	0	0
		<i>francisci</i>	Butterfly						
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	Both	37	28	9	6	3
		<i>Rhus michauxii</i>	Michaux's Sumac	Both	34	33	1	0	1
Ft. Chaffee	TRADOC	<i>Schwalbea americana</i>	American Chaffseed	Both	29	29	0	0	0
		<i>Nicrophorus americanus</i>	American Burying Beetle	Both	1	0	1	1	0
Ft. Hood	FORSCOM	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	Both	1	0	1	1	0
		<i>Falco peregrinus</i>	Peregrine Falcon	Both	1	1	0	NR	0
		<i>Grus americana</i>	Whooping Crane	Both	1	0	1	1	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	0	1	1	0
		<i>Vireo atricapillus</i>	Black-capped Vireo	Both	1	0	1	1	0
Ft. Huachuca	TRADOC	<i>Leptonycteris curasoae</i>	Lesser Long-nosed	Both	1	1	0	0	0
		<i>yerbabuenae</i>	Bat						
Ft. Hunter Liggett	USARC	<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	Onsite	2	0	2	2	0
		<i>Bufo microscaphus</i>	Arroyo Southwestern	Onsite	1	0	1	1	0
		<i>californicus</i>	Toad						
		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Both	1	1	0	0	0
		<i>Gymnogyps californianus</i>	California Condor	Cont.	1	0	1	1	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	2	0	2	2	0
		<i>Vireo bellii pusillus</i>	Least Bell's Vireo	Both	1	1	0	0	0
		<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	Both	5	0	5	4	1
Ft. Irwin	FORSCOM	<i>Gopherus agassizii</i>	Desert Tortoise	Both	3	3	0	2	0
Ft. Jackson	TRADOC	<i>Echinacea laevigata</i>	Smooth Coneflower	Onsite	3	3	0	0	0
		<i>Lysimachia</i>	Rough-leaved	Onsite	3	3	0	0	0
		<i>asperulaefolia</i>	Loosestrife						
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	Onsite	2	2	0	0	0
Ft. Lewis	FORSCOM	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	2	2	0	0	0
		<i>Howellia aquatilis</i>	Water Howellia	Both	1	1	0	0	0
		<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Onsite	3	2	1	1	0

Installation	MACOM	Scientific Name	Common Name	Occur	Assess	No affect	May affect	Non- Jeop	Jeop
Ft. McClellan	TRADOC	<i>Cyprinella caerulea</i>	Blue Shiner	Both	1	1	0	0	0
		<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	Onsite	1	1	0	0	0
		<i>Myotis grisescens</i>	Gray Bat	Both	1	1	0	0	0
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	Cont.	1	1	0	0	0
		<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	Both	2	2	0	0	0
Ft. McCoy	USARC	<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	Both	8	1	2	1	0
Ft. Polk	FORSCOM	<i>Picoides borealis</i>	Red-cockaded Woodpecker	Both	5	5	0	3	0
Ft. Riley	FORSCOM	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	4	3	1	NR	NR
Ft. Sam Houston	MEDCOM	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	Both	1	NR	NR	1	NR
Ft. Sill	TRADOC	<i>Vireo atricapillus</i>	Black-capped Vireo	Both	1	0	1	0	0
Ft. Stewart & Hunter Army Airfield	FORSCOM	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Both	1	1	0	0	0
		<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	Both	1	1	0	0	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0
		<i>Mycteria americana</i>	Wood Stork	Both	1	1	0	0	0
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	Onsite	4	2	2	NR	2
Holston AAP	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0
Kanaio LTA	NGB	<i>Pterodroma phaeopygia sandwichensis</i>	Hawaiian Dark-Rumped Petrel	Onsite	1	NR	NR	NR	NR
		<i>Sesbania tomentosa</i>	Ohai	Onsite	2	1	0	1	0
Keaukaha Military Reservation	NGB	<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	Onsite	1	NR	NR	NR	NR
Kekaha LTA	NGB	<i>Anas wyvilliana</i>	Hawaiian Duck	Cont.	1	NR	NR	NR	NR
		<i>Buteo solitarius</i>	Hawaiian Hawk	Onsite	1	NR	NR	NR	NR
		<i>Fulica americana alai</i>	Hawaiian Coot	Cont.	1	NR	NR	NR	NR
		<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	Cont.	1	NR	NR	NR	NR
		<i>Himantopus mexicanus</i>	Hawaiian Stilt	Cont.	1	NR	NR	NR	NR
		<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	Both	1	NR	NR	NR	NR
		<i>Nesochen sandvicensis</i>	Hawaiian Goose	Both	1	NR	NR	NR	NR
Makua Military Reservation	USARPAC	<i>Achatinella mustelina</i>	Pupu Kuahiwi	Both	1	0	1	0	1
McAlester AAP	AMC	<i>Nicrophorus americanus</i>	American Burying Beetle	Both	1	1	0	1	0
Newport Chemical Depot	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	2	1	1	2	0

Installation	MACOM	Scientific Name	Common Name	Occur	Assess	No affect	May affect	Non- Jeop	Jeop
Pohakuloa TA	USARPAC	<i>Buteo solitarius</i>	Hawaiian Hawk	Both	1	1	0	1	0
		<i>Corvus hawaiiensis</i>	No Common Name	Cont.	2	2	0	2	0
		<i>Haplostachys</i>	No Common Name	Both	3	1	2	1	2
		<i>haplostachya</i>							
		<i>Hemignathus munroi</i>	`Akiapola`Au	Both	1	1	0	1	0
		<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	Both	1	1	0	1	0
		<i>Loxioides bailleui</i>	Palila	Both	3	2	1	2	1
		<i>Loxops coccineus</i>	Hawaii `Akepa	Cont.	1	1	0	1	0
		<i>coccineus</i>							
		<i>Nesochen sanduicensis</i>	Hawaiian Goose	Both	1	0	1	0	1
		<i>Pterodroma phaeopygia</i>	Hawaiian Dark-	Cont.	1	1	0	1	0
		<i>sandwichensis</i>	rumped Petrel						
Pom Annex	TRADOC	<i>Stenogyne angustifolia</i>	No Common Name	Onsite	3	1	2	1	2
		<i>Charadrius alexandrinus</i>	Western Snowy	Both	1	NR	NR	1	NR
		<i>nivosus</i>	Plover						
		<i>Chorizanthus pungens</i> var.	Monterey	Both	1	NR	NR	1	NR
		<i>pungens</i>	Spineflower						
		<i>Chorizanthus robusta</i>	Robust Spineflower	Both	1	NR	NR	1	NR
		<i>Euphilotes enoptes smithi</i>	Smith's Blue	Both	1	NR	NR	1	NR
Regional Training Institute	NGB		Butterfly						
		<i>Gilia tenuiflora</i> ssp.	Monterey Sand Gilia	Both	1	NR	NR	1	NR
St. George Armory	NGB	<i>arenaria</i>							
		<i>Isotria medeoloides</i>	Small Whorled	Cont.	1	1	0	0	0
State Military Reservation	NGB		Pogonia						
		<i>Arctomecon humilis</i>	Dwarf Bearclaw	Both	2	2	0	0	0
Stead TS	NGB		Poppy						
		<i>Lycæides melissa</i>	Karner Blue	Cont.	2	2	0	0	0
Sunny Point	MTMC	<i>samuelis</i>	Butterfly						
		<i>Falco peregrinus</i>	Peregrine Falcon	Both	1	NR	NR	NR	NR
Twin Cities AAP	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	NR	NR	NR	NR
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	NR	NR	NR	NR
Volunteer AAP	AMC	<i>Picoides borealis</i>	Red-cockaded	Both	8	4	3	6	2
			Woodpecker						
Wappapello TS	NGB	<i>Scutellaria montana</i>	Large-flowered	Onsite	1	1	0	0	0
			Skullcap						
West Point	USMA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Cont.	1	1	0	0	0
		<i>Lampsilis abrupta</i>	Pink Mucket	Cont.	1	1	0	0	0
Yakima TC	FORSCOM		Pearlymussel						
		<i>Lindera melissifolia</i>	Pondberry	Cont.	1	1	0	0	0
Yakima TC	FORSCOM	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Both	1	1	0	0	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	1	1	0	0	0
Yakima TC	FORSCOM	<i>Falco peregrinus</i>	Peregrine Falcon	Cont.	1	0	1	0	0
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	Both	2	1	1	2	0

Appendix D-1: Listing of Species with a Completed ESMP or an ESMP in Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Abutilon sandwicense</i>	No Common Name	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Cont.	USARPAC	Kahuku TA	In Preparation
<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Cont.	USARPAC	Kahuku TA	In Preparation
<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	In Preparation
<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	In Preparation
<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Cont.	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Cont.	USARPAC	Kahuku TA	In Preparation
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	In Preparation
				Both	USMA	West Point	In Preparation
<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite	USARPAC	Kahuku TA	In Preparation
					USARPAC	Kawailoa TA	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Alectryon macrococcus</i> <i>var. macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Alligator</i> <i>mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	NGB	Camp Blanding TS	Completed
				Both	TRADOC	Ft. Benning	In Preparation
				Both	MTMC	Sunny Point	In Preparation
<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Alsinidendron trinerve</i>	No Common Name	E	Plant	Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Cont.	NGB	Camp Crowder	In Preparation
<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Both	USARPAC	Dillingham TA	In Preparation
<i>Anniella pulchra nigra</i>	California Black Legless Lizard	PE	Reptile	Both	TRADOC	Pom Annex	Completed
<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both	NGB	Camp Blanding TS	Completed
<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Onsite	AMC	Redstone Arsenal	In Preparation
<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	E	Plant	Both	NGB	St. George Armory	Completed
<i>Asplenium fragile</i> var. <i>insulare</i>	Fragile Fern	E	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Bonamia menziesii</i>	No Common Name	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite	USARC	Ft. Hunter Liggett	In Preparation
<i>Bufo microscaphus</i> <i>californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite	USARC	Ft. Hunter Liggett	In Preparation
<i>Buteo solitarius</i>	Hawaiian (=Io) Hawk	E	Bird	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Caesalpinia kavaeense</i>	Uhiuhi	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both	NGB	Camp Ripley	In Preparation
<i>Cenchrus agrimonioides</i>	Kamanomano	PE	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Chamaesyce deltoidea</i> <i>ssp. deltoidea</i>	Deltoid Spurge	E	Plant	Both	USARC	Martinez Reserve Center	Completed
<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Cont.	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Charadrius</i> <i>alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	TRADOC	Pom Annex	Completed
<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both	FORSCOM	Ft. Riley	In Preparation
<i>Chorizanthe pungens</i> <i>var. pungens</i>	Monterey Spineflower	T	Plant	Both	TRADOC	Pom Annex	Completed
<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Both	TRADOC	Pom Annex	Completed

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	NGB	Camp San Luis Obispo	In Preparation
<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	E	Bird	Cont.	USARPAC	Pohakuloa TA	In Preparation
<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	TRADOC	Ft. Bliss	In Preparation
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Cont.	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Haha Oha	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyperus trachysanthos</i>	Pu'uka'a	PE	Plant	Onsite	USARPAC	Dillingham TA	In Preparation
<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	TRADOC	Ft. McClellan	Completed
<i>Cyrtandra dentata</i>	Ha'iwale	PE	Plant	Onsite	USARPAC	Kawailoa TA	In Preparation
<i>Cyrtandra subumbellata</i>	Ha'iwale	PE	Plant	Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Cyrtandra viridiflora</i>	Ha'iwale	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
<i>Delissea subcordata</i>	'Oha	PE	Plant	Cont.	USARPAC	Kawailoa TA	In Preparation
				Cont.	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	FORSCOM	Ft. Hood	In Preparation
				Both	MEDCOM	Ft. Sam Houston	In Preparation
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both	NGB	Camp Grayling	Completed
<i>Diellia falcata</i>	No Common Name	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Diplazium molokaiense</i>	No Common Name	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both Both	NGB FORSCOM	Camp Blanding TS Ft. Stewart & Hunter Army Airfield	Completed In Preparation
<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite Onsite	TRADOC NGB	Ft. Jackson Leesburg TS	In Preparation In Preparation
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Both	TRADOC	Ft. Bliss	In Preparation
<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	PE	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite Cont.	USARPAC USARPAC	Kahuku TA Kawailoa TA	In Preparation In Preparation
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Both	TRADOC	Pom Annex	Completed
<i>Euphorbia haeleeleana</i>	`Akoko	PE	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Cont. Both	TRADOC AMC	Ft. Bliss White Sands Missile Range	In Preparation In Preparation
<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Cont. Both Both Both	TRADOC FORSCOM FORSCOM NGB	Ft. Eustis Ft. Hood Ft. Riley Stead TS	In Preparation In Preparation In Preparation Completed
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both Both	TRADOC AMC	Ft. Bliss White Sands Missile Range	In Preparation In Preparation
<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite Cont.	USARPAC USARPAC	Makua Military Reservation Schofield Barracks Military Reservation	In Preparation In Preparation
<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	Both	USARPAC	Dillingham TA	In Preparation
<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Both	USARPAC	Dillingham TA	In Preparation
<i>Gardenia mannii</i>	Nanu	PE	Plant	Both Both Both	USARPAC USARPAC USARPAC	Kahuku TA Kawailoa TA Schofield Barracks Military Reservation	In Preparation In Preparation In Preparation
<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Sand Gilia	E	Plant	Both	TRADOC	Pom Annex	Completed
<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	FORSCOM	Ft. Irwin	In Preparation
<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Both	NGB	Camp Shelby	In Preparation
<i>Grus americana</i>	Whooping Crane	E	Bird	Both	FORSCOM	Ft. Hood	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	AMC	Aberdeen Proving Ground	Completed
				Onsite	AMC	Adelphi Army Research Labs	Completed
				Both	NGB	Camp Blanding TS	Completed
				Both	NGB	Camp Crowder	In Preparation
				Both	NGB	Camp Grayling	Completed
				Both	NGB	Camp Murray	Completed
				Both	NGB	Camp Navajo Military Reservation	In Preparation
				Onsite	NGB	Camp Ripley	Completed
				Both	MDW	Ft. A.P. Hill	Completed
				Both	MDW	Ft. Belvoir	In Preparation
				Both	TRADOC	Ft. Benning	In Preparation
				Both	TRADOC	Ft. Bliss	In Preparation
				Both	TRADOC	Ft. Eustis	In Preparation
				Onsite	TRADOC	Ft. Gordon	In Preparation
				Both	FORSCOM	Ft. Hood	In Preparation
				Both	USARC	Ft. Hunter Liggett	In Preparation
				Both	TRADOC	Ft. Knox	In Preparation
				Both	TRADOC	Ft. Lee	In Preparation
				Both	FORSCOM	Ft. Lewis	Completed
				Both	FORSCOM	Ft. Riley	In Preparation
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	In Preparation
				Both	AMC	Holston AAP	In Preparation
				Both	NGB	Macon TS	In Preparation
				Both	AMC	Savanna Army Depot Activity	Completed
				Both	NGB	Skelton TS	In Preparation
				Both	NGB	Stead TS	Completed
				Both	NGB	Truman TS	In Preparation
				Both	USMA	West Point	In Preparation
<i>Haplostachys haplostachya</i>	No Common Name	E	Plant	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Hedyotis parvula</i>	No Common Name	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Helianthus eggertii</i>	Eggert's Sunflower	PT	Plant	Both	NGB	Tullahoma TS	In Preparation
<i>Hemignathus munroi</i>	`Akiapola`au	E	Bird	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Hesperomannia arborescens</i>	No Common Name	E	Plant	Both	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Hibiscus brackenridgei ssp. mokuleianus</i>	Ma'o Hau Hele	E	Plant	Cont.	USARPAC	Dillingham TA	In Preparation
<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	Both	USARPAC	Dillingham TA	In Preparation
<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	FORSCOM	Ft. Lewis	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Isodendron laurifolium</i>	Aupaka	PE	Plant	Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Cont.	NGB	Skelton TS	In Preparation
<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Pohakuloa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
<i>Lobelia gaudichaudii ssp. koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Cont.	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Loxioides bailleui</i>	Palila	E	Bird	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Cont.	USARPAC	Pohakuloa TA	Completed
<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Both	USARC	Ft. McCoy	In Preparation
<i>Lycopodium nutans</i>	Wawae Iole	E	Plant	Onsite	USARPAC	Kawailoa TA	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	FORSCOM	Ft. Bragg	In Preparation
				Onsite	TRADOC	Ft. Jackson	In Preparation
				Onsite	NGB	Leesburg TS	In Preparation
				Both	MTMC	Sunny Point	In Preparation
<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	TRADOC	Ft. McClellan	Completed
<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	USARPAC	Kawailoa TA	In Preparation
<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	Both	USARPAC	Dillingham TA	In Preparation
<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	NGB	Camp Blanding TS	Completed
				Both	TRADOC	Ft. Benning	In Preparation
				Onsite	TRADOC	Ft. Gordon	In Preparation
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	NGB	Camp Crowder	In Preparation
				Onsite	TRADOC	Ft. Knox	In Preparation
				Both	TRADOC	Ft. McClellan	Completed
<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Both	TRADOC	Ft. Knox	In Preparation
				Both	AMC	Picatinny Arsenal Tacom-ARDEC	In Preparation
<i>Myrsine juddii</i>	Kolea	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
<i>Neonympha mitchellii</i> <i>francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite	FORSCOM	Ft. Bragg	In Preparation
<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Neraudia ovata</i>	Ma'aloa	PE	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	NGB	Camp Gruber	Completed
				Both	TRADOC	Ft. Chaffee	In Preparation
				Both	AMC	McAlester AAP	In Preparation
<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite	USARPAC	Dillingham TA	In Preparation
				Both	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Cont.	USARPAC	Pohakuloa TA	Completed
<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both	AMC	Redstone Arsenal	In Preparation
<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Cont.	USARPAC	Kahuku TA	In Preparation
				Onsite	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Phyllostegia mollis</i>	No Common Name	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Phyllostegia parviflora</i> var. <i>parviflora</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawailoa TA	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	NGB	Camp Beauregard	Completed
				Onsite	NGB	Camp Blanding TS	Completed
				Cont.	NGB	Camp Shelby	In Preparation
				Onsite	TRADOC	Ft. Benning	In Preparation
				Both	FORSCOM	Ft. Bragg	In Preparation
				Onsite	TRADOC	Ft. Gordon	In Preparation
				Onsite	TRADOC	Ft. Jackson	In Preparation
				Cont.	TRADOC	Ft. McClellan	Completed
				Both	FORSCOM	Ft. Polk	In Preparation
				Onsite	FORSCOM	Ft. Stewart & Hunter Army Airfield	In Preparation
				Onsite	NGB	Leesburg TS	In Preparation
				Both	MTMC	Sunny Point	In Preparation
<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both	TRADOC	Pom Annex	Completed
				Both	TRADOC	Presidio of Monterey (POM)	In Preparation
<i>Plantago princeps</i> var. <i>longibracteata</i>	Laukahi Kuahiwi	E	Plant	Both	USARPAC	Kawailoa TA	In Preparation
<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwi	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Platanthera holochila</i>	No Common Name	PE	Plant	Cont.	USARPAC	Kawailoa TA	In Preparation
<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Both	USARPAC	Pohakuloa TA	In Preparation
<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Psittirostra psittacea</i>	O'u	E	Bird	Cont.	USARPAC	Pohakuloa TA	Completed
<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawailoa TA	In Preparation
				Onsite	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Pterodroma phaeopygia</i> <i>sandwichensis</i>	Hawaiian Dark-rumped Petrel	E	Bird	Cont.	USARPAC	Pohakuloa TA	In Preparation
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	NGB	Lil Aaron Straus Wilderness Area	In Preparation
<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Both	NGB	Camp San Luis Obispo	In Preparation
				Cont.	TRADOC	Pom Annex	Completed
<i>Rhododendron</i> <i>chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite	NGB	Camp Blanding TS	Completed
<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both	FORSCOM	Ft. Bragg	In Preparation
<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both	USARPAC	Kawailoa TA	In Preparation
<i>Sanicula marivera</i>	No Common Name	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Cont.	NGB	Skelton TS	In Preparation
<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Schiedea kealiae</i>	Ma`oli`oli	PE	Plant	Onsite	USARPAC	Dillingham TA	In Preparation
<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	FORSCOM	Ft. Bragg	In Preparation
<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite	AMC	Volunteer AAP	Completed
<i>Silene hawaiiensis</i>	Hawaiian Catchfly	T	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Solanum sandwicense</i>	Popolo `Aiakeakua	E	Plant	Cont.	USARPAC	Kahuku TA	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	NGB	Camp Grayling	In Preparation
<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
				Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite	NGB	Camp Rilea	In Preparation
<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	FORSCOM	Ft. Riley	In Preparation
				Both	NGB	Skelton TS	In Preparation
<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	H	FORSCOM	Ft. Lewis	Completed
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	NGB	Camp Navajo Military Reservation	In Preparation
				Both	TRADOC	Ft. Bliss	In Preparation
<i>Tetramolopium arenarium</i>	Mauna Kea Pamakani	E	Plant	Onsite	USARPAC	Pohakuloa TA	In Preparation
<i>Tetramolopium filiforme var. polyphyllum</i>	No Common Name	E	Plant	Both	USARPAC	Makua Military Reservation	In Preparation
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No Common Name	E	Plant	Cont.	USARPAC	Makua Military Reservation	In Preparation
				Cont.	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Tetraplasandra gymnocarpa</i>	`Ohe`ohe	E	Plant	Both	USARPAC	Kahuku TA	In Preparation
				Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	TRADOC	Ft. Benning	In Preparation
<i>Urera kaalae</i>	Opuhe	E	Plant	Both	USARPAC	Schofield Barracks Military Reservation	In Preparation

Scientific Name	Common Name	Fed stat	Cat	Occur	MACOM	Installation	ESMP
<i>Viola chamissoniana</i> <i>ssp. chamissoniana</i>	Pamakani	E	Plant	Onsite	USARPAC	Makua Military Reservation	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both	USARPAC	Kawailoa TA	In Preparation
				Both	USARPAC	Schofield Barracks Military Reservation	In Preparation
<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	NGB	Camp Barkeley	Completed
				Both	FORSCOM	Ft. Hood	In Preparation
				Both	MEDCOM	Ft. Sam Houston	In Preparation
				Both	TRADOC	Ft. Sill	In Preparation
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite	NGB	Camp San Luis Obispo	In Preparation
<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both	USARC	Ft. Hunter Liggett	In Preparation
<i>Xyris tennesseensis</i>	Tennessee	E	Plant	Both	AMC	Anniston Army Depot	Completed
	Yellow-eyed Grass			Both	TRADOC	Ft. McClellan	Completed
<i>Zanthoxylum</i> <i>hawaiiense</i>	A'e	E	Plant	Both	USARPAC	Pohakuloa TA	In Preparation

Appendix D-2: Listing of Installations that have Species with ESMPs

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Aberdeen Proving Ground	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
Adelphi Army Research Labs	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite	Completed
Anniston Army Depot	AMC	<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both	Completed
Camp Barkeley	NGB	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	Completed
Camp Beauregard	NGB	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	Completed
Camp Blanding TS	NGB	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	Completed
		<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both	Completed
		<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both	Completed
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
		<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	Completed
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	Completed
		<i>Rhododendron chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite	Completed
Camp Crowder	NGB	<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Cont.	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	In Preparation
Camp Grayling	NGB	<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both	Completed
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
		<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	In Preparation
Camp Gruber	NGB	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	Completed
Camp Murray	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
Camp Navajo Military Reservation	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Camp Rilea	NGB	<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite	In Preparation
Camp Ripley	NGB	<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite	Completed
Camp San Luis Obispo	NGB	<i>Cirsium fontinale var. obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	In Preparation
		<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Both	In Preparation
		<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite	In Preparation
Camp Shelby	NGB	<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Both	In Preparation
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	In Preparation
Dillingham TA	USARPAC	<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Both	In Preparation
		<i>Cyperus trachysanthos</i>	Pu'uka'a	PE	Plant	Onsite	In Preparation
		<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	Both	In Preparation
		<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Both	In Preparation
		<i>Hibiscus brackenridgei ssp. mokuleianus</i>	Ma'o Hau Hele	E	Plant	Cont.	In Preparation
		<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	Both	In Preparation
		<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	Both	In Preparation
		<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite	In Preparation
		<i>Schiedea kealiae</i>	Ma'oli'oli	PE	Plant	Onsite	In Preparation
Ft. A.P. Hill	MDW	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
Ft. Belvoir	MDW	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
Ft. Benning	TRADOC	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	In Preparation
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	In Preparation
		<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	In Preparation
Ft. Bliss	TRADOC	<i>Coryphantha sneedii var. sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	In Preparation
		<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Both	In Preparation
		<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Cont.	In Preparation
		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Ft. Bragg	FORSCOM	<i>Lysimachia</i>	Rough-leaved	E	Plant	Both	In Preparation
		<i>asperulaefolia</i>	Loosestrife				
		<i>Neonympha mitchellii</i>	Saint Francis' Satyr	E	Insect	Onsite	In Preparation
		<i>francisci</i>	Butterfly				
		<i>Picoides borealis</i>	Red-cockaded	E	Bird	Both	In Preparation
			Woodpecker				
		<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both	In Preparation
		<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	In Preparation
Ft. Chaffee	TRADOC	<i>Nicrophorus</i>	American Burying	E	Insect	Both	In Preparation
		<i>americanus</i>	Beetle				
Ft. Eustis	TRADOC	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Cont.	In Preparation
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>leucocephalus</i>					
Ft. Gordon	TRADOC	<i>Haliaeetus</i>	Bald Eagle	T	Bird	Onsite	In Preparation
		<i>leucocephalus</i>					
		<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite	In Preparation
		<i>Picoides borealis</i>	Red-cockaded	E	Bird	Onsite	In Preparation
Ft. Hood	FORSCOM		Woodpecker				
		<i>Dendroica chrysoparia</i>	Golden-cheeked	E	Bird	Both	In Preparation
			Warbler				
		<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	In Preparation
		<i>Grus americana</i>	Whooping Crane	E	Bird	Both	In Preparation
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	In Preparation
Ft. Hunter Liggett	USARC	<i>leucocephalus</i>					
		<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	In Preparation
		<i>Branchinecta lynchi</i>	Vernal Pool Fairy	T	Crustacean	Onsite	In Preparation
			Shrimp				
		<i>Bufo microscaphus</i>	Arroyo Southwestern	E	Amphibian	Onsite	In Preparation
		<i>californicus</i>	Toad				
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>leucocephalus</i>					
		<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both	In Preparation
Ft. Irwin	FORSCOM	<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	In Preparation
Ft. Jackson	TRADOC	<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	In Preparation
		<i>Lysimachia</i>	Rough-leaved	E	Plant	Onsite	In Preparation
		<i>asperulaefolia</i>	Loosestrife				
		<i>Picoides borealis</i>	Red-cockaded	E	Bird	Onsite	In Preparation
Ft. Knox	TRADOC		Woodpecker				
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>leucocephalus</i>					
		<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite	In Preparation
		<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Both	In Preparation
Ft. Lee	TRADOC	<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>leucocephalus</i>					
Ft. Lewis	FORSCOM	<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	Completed
		<i>leucocephalus</i>					
		<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	In Preparation
		<i>Strix occidentalis</i>	Northern Spotted	T	Bird	H	Completed
		<i>caurina</i>	Owl				

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Ft. McClellan	TRADOC	<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	Completed
		<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	Completed
		<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	Completed
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	Completed
		<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both	Completed
Ft. McCoy	USARC	<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Both	In Preparation
Ft. Polk	FORSCOM	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both	In Preparation
Ft. Riley	FORSCOM	<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both	In Preparation
		<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	In Preparation
Ft. Sam Houston	MEDCOM	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	In Preparation
		<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	In Preparation
Ft. Sill	TRADOC	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	In Preparation
Ft. Stewart & Hunter Army Airfield	FORSCOM	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Both	In Preparation
		<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	In Preparation
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	In Preparation
Holston AAP	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
Kahuku TA	USARPAC	<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Cont.	In Preparation
		<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Cont.	In Preparation
		<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Cont.	In Preparation
		<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Cont.	In Preparation
		<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Cont.	In Preparation
		<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Cont.	In Preparation
		<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite	In Preparation
		<i>Gardenia mannii</i>	Nanu	PE	Plant	Both	In Preparation
		<i>Hesperomannia arborescens</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Cont.	In Preparation
		<i>Solanum sandwicense</i>	Popolo 'Aiakeakua	E	Plant	Cont.	In Preparation
		<i>Tetraplasandra gymnocarpa</i>	'Ohe' ohe	E	Plant	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Kawailoa TA	USARPAC	<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Both	In Preparation
		<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyrtandra dentata</i>	Ha'iwale	PE	Plant	Onsite	In Preparation
		<i>Cyrtandra viridiflora</i>	Ha'iwale	PE	Plant	Both	In Preparation
		<i>Delissea subcordata</i>	`Oha	PE	Plant	Cont.	In Preparation
		<i>Eugenia koolauensis</i>	Nioi	E	Plant	Cont.	In Preparation
		<i>Gardenia mannii</i>	Nanu	PE	Plant	Both	In Preparation
		<i>Hesperomannia arborescens</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Both	In Preparation
		<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	In Preparation
		<i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Lycopodium nutans</i>	Wawae`Iole	E	Plant	Onsite	In Preparation
		<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	In Preparation
		<i>Myrsine juddii</i>	Kolea	PE	Plant	Both	In Preparation
		<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	In Preparation
		<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Onsite	In Preparation
		<i>Phyllostegia parviflora</i> var. <i>parviflora</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Plantago princeps</i> var. <i>longibracteata</i>	Laukahi Kuahiwi	E	Plant	Both	In Preparation
		<i>Platanthera holochila</i>	No Common Name	PE	Plant	Cont.	In Preparation
		<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both	In Preparation
		<i>Tetraplasandra gymnocarpa</i>	`Ohe`ohe	E	Plant	Both	In Preparation
		<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Leesburg TS	NGB	<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	In Preparation
		<i>Lysimachia</i>	Rough-leaved	E	Plant	Onsite	In Preparation
		<i>asperulaefolia</i>	Loosestrife				
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	In Preparation
Lil Aaron Straus Wilderness Area	NGB	<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	In Preparation
Macon TS	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
Makua Military Reservation	USARPAC	<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Alectryon macrococcus</i> var. <i>macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both	In Preparation
		<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Bonamia menziesii</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Caesalpinia kavaense</i>	Uhiuhi	E	Plant	Onsite	In Preparation
		<i>Cenchrus agrimonioides</i>	Kamanomano	PE	Plant	Onsite	In Preparation
		<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.	In Preparation
		<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite	In Preparation
		<i>Delissea subcordata</i>	`Oha	PE	Plant	Cont.	In Preparation
		<i>Diellia falcata</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Dubautia herbstobatae</i>	Na`ena`e	E	Plant	Both	In Preparation
		<i>Euphorbia haeleeleana</i>	`Akoko	PE	Plant	Onsite	In Preparation
		<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite	In Preparation
		<i>Hedyotis parvula</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both	In Preparation
		<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite	In Preparation
		<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Cont.	In Preparation
		<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	In Preparation
		<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	In Preparation
		<i>Nototrichium humile</i>	Kulu'i	E	Plant	Both	In Preparation
		<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	In Preparation
		<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwi	E	Plant	Both	In Preparation
		<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Onsite	In Preparation
		<i>Sanicula mariversa</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both	In Preparation
		<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Onsite	In Preparation
		<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	In Preparation
		<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	In Preparation
		<i>Tetramolopium filiforme</i> var. <i>polyphyllum</i>	No Common Name	E	Plant	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Onsite	In Preparation
Martinez Reserve Center	USARC	<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	Deltoid Spurge	E	Plant	Both	Completed
McAlester AAP	AMC	<i>Nicrophorus</i> <i>americanus</i>	American Burying Beetle	E	Insect	Both	In Preparation
Picatinny Arsenal Tacom-ARDEC	AMC	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Both	In Preparation
Pohakuloa TA	USARPAC	<i>Asplenium fragile</i> var. <i>insulare</i>	Fragile Fern	E	Plant	Onsite	In Preparation
		<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Both	In Preparation
		<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	E	Bird	Cont.	In Preparation
		<i>Haplostachys</i> <i>haplostachya</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite	In Preparation
		<i>Hemignathus munroi</i>	'Akiapola'au	E	Bird	Both	In Preparation
		<i>Lasiurus cinereus</i> <i>semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	In Preparation
		<i>Loxioides bailleui</i>	Palila	E	Bird	Both	In Preparation
		<i>Loxops coccineus</i> <i>coccineus</i>	Hawaii 'Akepa	E	Bird	Cont.	Completed
		<i>Neraudia ovata</i>	Ma'aloa	PE	Plant	Onsite	In Preparation
		<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Both	In Preparation
		<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Cont.	Completed
		<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Both	In Preparation
		<i>Psittirostra psittacea</i>	O'u	E	Bird	Cont.	Completed
		<i>Pterodroma phaeopygia</i> <i>sandwichensis</i>	Hawaiian Dark-rumped Petrel	E	Bird	Cont.	In Preparation
		<i>Silene hawaiiensis</i>	Hawaiian Catchfly	T	Plant	Onsite	In Preparation
		<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	In Preparation
		<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	In Preparation
		<i>Spermolepis</i> <i>hawaiiensis</i>	Hawaiian Parsley	E	Plant	Onsite	In Preparation
		<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Tetramolopium</i> <i>arenarium</i>	Mauna Kea Pamakani	E	Plant	Onsite	In Preparation
		<i>Zanthoxylum</i> <i>hawaiiense</i>	A'e	E	Plant	Both	In Preparation
Pom Annex	TRADOC	<i>Anniella pulchra nigra</i>	California Black Legless Lizard	PE	Reptile	Both	Completed
		<i>Charadrius</i> <i>alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	Completed
		<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey Spineflower	T	Plant	Both	Completed
		<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Both	Completed
		<i>Euphilotes enoptes</i> <i>smithi</i>	Smith's Blue Butterfly	E	Insect	Both	Completed

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
		<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	Monterey Sand Gilia	E	Plant	Both	Completed
		<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both	Completed
		<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Cont.	Completed
Presidio of Monterey (POM)	TRADOC	<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both	In Preparation
Redstone Arsenal	AMC	<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Onsite	In Preparation
		<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both	In Preparation
Savanna Army Depot Activity	AMC	<i>Haliaeetus</i> <i>leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
Schofield Barracks Military Reservation	USARPAC	<i>Abutilon sandwicense</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite	In Preparation
		<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Both	In Preparation
		<i>Alectryon macrococcus</i> var. <i>macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both	In Preparation
		<i>Alsinidendron trinerve</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Cenchrus</i> <i>agrimonioides</i>	Kamanomano	PE	Plant	Onsite	In Preparation
		<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Both	In Preparation
		<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.	In Preparation
		<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Haha Oha	E	Plant	Cont.	In Preparation
		<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	In Preparation
		<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite	In Preparation
		<i>Cyrtandra</i> <i>subumbellata</i>	Ha'iwale	PE	Plant	Both	In Preparation
		<i>Delissea subcordata</i>	Oha	PE	Plant	Cont.	In Preparation
		<i>Diellia falcata</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Diplazium molokaiense</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	PE	Plant	Cont.	In Preparation
		<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Cont.	In Preparation
		<i>Gardenia mannii</i>	Nanu	PE	Plant	Both	In Preparation
		<i>Hesperomannia</i> <i>arborescens</i>	No Common Name	E	Plant	Both	In Preparation
		<i>Isodendrion</i> <i>laurifolium</i>	Aupaka	PE	Plant	Both	In Preparation
		<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Onsite	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
		<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	In Preparation
		<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both	In Preparation
		<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	Nehe	E	Plant	Cont.	In Preparation
		<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both	In Preparation
		<i>Lycopodium nutans</i>	Wawae'Iole	E	Plant	Cont.	In Preparation
		<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	In Preparation
		<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	In Preparation
		<i>Nototrichium humile</i>	Kulu'i	E	Plant	Cont.	In Preparation
		<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	In Preparation
		<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Both	In Preparation
		<i>Phyllostegia mollis</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Cont.	In Preparation
		<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	In Preparation
		<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both	In Preparation
		<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both	In Preparation
		<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Cont.	In Preparation
		<i>Solanum sandwicense</i>	Popolo `Aiakeakua	E	Plant	Cont.	In Preparation
		<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	No Common Name	E	Plant	Cont.	In Preparation
		<i>Tetraplasandra gymnocarpa</i>	`Ohe`ohe	E	Plant	Both	In Preparation
		<i>Urera kaalae</i>	Opuhe	E	Plant	Both	In Preparation
		<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Both	In Preparation
		<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both	In Preparation
Skelton TS	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
		<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Cont.	In Preparation
		<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Cont.	In Preparation
		<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	In Preparation
St. George Armory	NGB	<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	E	Plant	Both	Completed
Stead TS	NGB	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	Completed
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Completed
Sunny Point	MTMC	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	In Preparation
		<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	In Preparation
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both	In Preparation

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	ESMP
Truman TS	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
Tullahoma TS	NGB	<i>Helianthus eggertii</i>	Eggert's Sunflower	PT	Plant	Both	In Preparation
Volunteer AAP	AMC	<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite	Completed
West Point	USMA	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Both	In Preparation
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	In Preparation
White Sands Missile Range	AMC	<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Both	In Preparation
		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both	In Preparation

Appendix E: Listing of Restrictions/Impacts for Installations, by Species

ACHATINELLA MUSTELINA

MAKUA MILITARY RESERVATION [TRAIN]

RESTR: All training restricted to Fire Break Road.

IMPACT: None

MAKUA MILITARY RESERVATION [TRAIN]

RESTR: No pyrotechnics.

IMPACT: None

ARCTOMECON HUMILIS

ST. GEORGE ARMORY [TRAIN]

RESTR: No vehicular traffic within the limited area of this plant's habitat (foot traffic is allowed).

IMPACT: Vehicular or other soil impacts are prohibited, while foot traffic is actually encouraged for biological reasons. The impact involved rearranging the location of different activities on the 70 acre armory, with a negligible end impact.

ASPLENIUM FRAGILE VAR. INSULARE

POHAKULOA TA [TRAIN]

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

(ASPLENIUM FRAGILE VAR. INSULARE Continued)**POHAKULOA TA [TRAIN]**

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

ASTRAGALUS JAEGERIANUS**FT IRWIN [TEST]**

RESTR: This plant is found in desert tortoise critical habitat and on the outleased Goldstone Deep Space Research Center. These areas are off limits to training.

IMPACT: None

FT IRWIN [TRAIN]

RESTR: This plant is found in desert tortoise critical habitat and on the outleased Goldstone Deep Space Research Center. These areas are off limits to training.

IMPACT: None

BRANCHINECTA LYNCHI**CAMP ROBERTS [TEST]**

RESTR: Until a Biological Opinion is rendered, preactivity surveys must be conducted prior to training activity to determine if activities threaten fairy shrimp or its habitat.

IMPACT: Testing activities may experience short delays until survey is completed. Can still complete testing.

CAMP ROBERTS [TRAIN]

RESTR: Until a Biological Opinion is rendered, preactivity surveys must be conducted prior to training activity to determine if activities threaten fairy shrimp or its habitat.

IMPACT: Units can experience short delays before training commences until survey is completed. Can still train to standard.

CAMP ROBERTS [TEST]

RESTR: Flagged or excluded habitat must be avoided.

IMPACT: Testing activities may have to be relocated to avoid impacts to fairy shrimp.

CAMP ROBERTS [TRAIN]

RESTR: Flagged or excluded habitat must be avoided.

IMPACT: Units may have to relocate activity to avoid impacts to fairy shrimp. Usually can still train to standard.

FT HUNTER LIGGETT [TEST]

REST: No new construction of roads or buildings within 200m of high quality vernal pools.

IMPACT: None

FT HUNTER LIGGETT [TRAIN]

REST: No new construction of roads or buildings within 200m of high quality vernal pools.

IMPACT: None

CHLOROGALIUM PURPUREUM VAR. PURPUREUM**FT HUNTER LIGGETT [TEST]**

RESTR: Avoid disturbance of purple amole populations without adversely affecting training requirements.

IMPACT: None

FT HUNTER LIGGETT [TRAIN]

RESTR: Avoid disturbance of purple amole populations without adversely affecting training requirements.

IMPACT: None

CYPRINELLA CAERULEA**FT MCCLELLAN [TRAIN]**

RESTR: Avoid actions in Choccolocco Creek.

IMPACT: None

DENDROICA CHRYSOPARIA**FT HOOD [TRAIN]**

RESTR: Maneuver: No digging of battle/fighting/firing positions, use ONLY existing positions and improve above ground.

IMPACT: AR, INF, FA, ENG, C2,CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: Ranges: No clearing of habitats that obscure targets/ target lines. Immediate fire equip/pers requirements.

IMPACT: AR, INF, FA, ENG, C2,CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: Two (2) hour limit for unit (regardless of size or event) to be in the habitat. Units can't travel through habitats more than two hrs per 24 hr day.

IMPACT: AR, INF, FA, ENG, C2,CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: Units can't conduct any training in habitats. No use of smoke, chemical grenades/devices or conduct of Artillery live fire in or within 100 meters of habitats.

IMPACT: AR, INF, FA, ENG, C2,CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT SAM HOUSTON [TRAIN]

RESTR: High intensity training in habitat areas during the breeding season.

IMPACT: No high intensity training during the breeding season.

DENDROICA KIRTLANDII**CAMP GRAYLING [TRAIN]**

RESTR: No military activity of any kind in Kirtland's Warbler Permanent Management Unit.

IMPACT: Area was permanently designated as mitigation for the ability to discourage habitat in more important training areas and to move the birds to a safer area. Impacts activity on approximately 4,000 ac. of nonessential training land.

(DENDROICA KIRTLANDII Continued)**CAMP GRAYLING [TRAIN]**

RESTR: No off-road movement by troops or vehicles in areas occupied by KWs the previous or current year.

IMPACT: Area and impact varies from year to year depending on occupation by warblers.

ECHINACEA LAEVIGATA**FT JACKSON [TRAIN]**

RESTR: There are no training activities of any kind allowed within the boundaries of the population site.

IMPACT: None

LEESBURG TS [TRAIN]

RESTR: Area is completely off-limits to training.

IMPACT: Reroute nearby tank trail. Must plan maneuvers to avoid this area.

FALCO FEMORALIS SEPTENTRIONALIS**WHITE SANDS MISSILE RANGE [TEST]**

RESTR: Pre-test surveys to detect the occurrence of this species are required in potentially suitable habitat.

IMPACT: Monitoring efforts cost testers approximately \$50-100 K/year.

FALCO PEREGRINUS**CLARK COUNTY TS [TRAIN]**

RESTR: No weapons firing will be allowed on this Training Site.

IMPACT: No firing or smoke can be allowed at this training site. Private Housing adjoins this training area, as well as the wildlife restrictions.

SIERRA ARMY DEPOT [TEST]

RESTR: No testing or training at Honey Lake.

IMPACT: Not available for training.

SIERRA ARMY DEPOT [TRAIN]

RESTR: No testing or training at Honey Lake.

IMPACT: Not available for training.

FALCO PEREGRINUS ANATUM**WHITE SANDS MISSILE RANGE [TEST]**

RESTR: No precedent.

IMPACT: None

GOPHERUS AGASSIZII**CLARK COUNTY TS [TRAIN]**

RESTR: All vehicles will be restricted to existing roads on the Training Site.

IMPACT: USFWS restrictions limit training to existing roads. Adjoining USAF airbase limits any aviation or field artillery training at this site.

(GOPHERUS AGASSIZII Continued)**FT IRWIN [TEST]**

RESTR: Critical habitat has been established south of the UTM 90 grid line. This area is restricted to all training and testing, except for land navigation on foot.

IMPACT: Eliminates use of one corridor by tracked vehicles due to accuracy of guns on two hills (OP1 & OP2) within range of the 90 grid line.

FT IRWIN [TRAIN]

RESTR: Critical habitat has been established south of the UTM 90 grid line. This area is restricted to all training and testing, except for land navigation on foot.

IMPACT: Eliminates use of one corridor by tracked vehicles due to accuracy of guns on two hills (OP1 & OP2) within range of the 90 grid line.

GOPHERUS POLYPHEMUS**CAMP SHELBY [TRAIN]**

RESTR: No vehicle movement within colony sites, except on artillery firing points. All gopher tortoise burrows have been GPSed and permanently tagged. Burrows on artillery firing points are marked with one metal post and sign.

IMPACT: Gopher tortoise burrows and colony sites has restricted use of maneuver areas and artillery firing points.

HALIAEETUS LEUCOCEPHALUS**ABERDEEN PROVING GROUND [TEST]**

RESTR: Nest may limit timing of tests and roosts require limits to the time of day work can occur. Proposed tests must be evaluated for species impacts. Some tests may have been relocated to other installations if conflicts were found.

IMPACT: None

ADELPHI ARMY RESEARCH LABS [TEST]

RESTR: Acoustic Profiling evaluation restricted during Bald Eagle nesting season.

IMPACT: Acoustic Propagation (Noise) Research and evaluation is limited to non-nesting periods of the species.

CAMP GRAYLING [TRAIN]

RESTR: No military activity or overflights allowed within 1/4 mile, vertical or horizontal, of any active nesting sites.

IMPACT: Maximum of two active nests on the installation to-date has only caused slight adjustment of flight paths.

CAMP GUERNSEY [TRAIN]

RESTR: Bald Eagle Winter Habitat Area. Area off limits to construction and aircraft overflights from November 1 through April 30, 500 feet A.G.L. Minimum.

IMPACT: Helicopters cannot fly NOE through restricted corridor. Engineers cannot conduct construction activities.

CAMP NAVAJO MILITARY RESERVATION [TRAIN]

RESTR: Minimum disturbance within 1/2 mile of known roosting area winter.

IMPACT: This site is within a restricted Ammo storage area and only certain ordinance train here.

CAMP RIPLEY [TRAIN]

RESTR: No vehicular movement (except on established roads) or aircraft movements within 400 meters of active nest site 15 March to 15 June and within 200 meters any other times of the year.

IMPACT: None

(HALIAEETUS LEUCOCEPHALUS Continued)**CLARK COUNTY TS [TRAIN]**

RESTR: No weapons firing will be allowed on this Training Site.

IMPACT: No firing or smoke can be allowed at this training site. Private Housing adjoins this training area, as well as the wildlife restrictions.

FT BELVOIR [TRAIN]

RESTR: Area T-10 is closed to all troop training 1 December to 31 July.

IMPACT: Chemical units cannot employ smoke grenades or pyrotechnics adjacent to nest site (T-10). Alternate site are available to train to standard.

FT BELVOIR [TRAIN]

RESTR: Area W-7 is closed to overflights by helicopters under 1,000 feet and fixed wing aircraft under 500 feet year round. Area T-10 is closed to overflights from 1 December to 31 July.

IMPACT: Overflight altitude restrictions in the nest area must be considered during flight planning.

FT BENNING [TRAIN]

RESTR: No training within a 1,500 foot radius of the nest.

IMPACT: None

FT BENNING [TRAIN]

RESTR: Aircraft must fly 1 km from the nest.

IMPACT: None

FT HOOD [TRAIN]

RESTR: No fly zone, 0 to 1,000 ft.

IMPACT: No aircraft allowed to over fly the area.

FT HUNTER LIGGETT [TEST]

RESTR: New, disruptive activities are limited within 500m of bald eagle nest.

IMPACT: Exercises may have to move into less desirable areas due to the nest site.

FT HUNTER LIGGETT [TRAIN]

RESTR: New, disruptive activities are limited within 500m of bald eagle nest.

IMPACT: Exercises may have to move into less desirable areas due to the nest site.

FT LEE [TRAIN]

RESTR: November 15 to July 15, no activities within 750 feet of nest tree. Minimal disturbances within 1320 feet from the nest tree. Most activities possible outside of this zone for the remainder of year.

IMPACT: None

FT LEWIS [TRAIN]

RESTR: Aircraft will fly no lower than 1300 feet MSL over Muck Creek (3.25 river miles) extending 500 meters on each side of the creek. During critical winter foraging period (Dec. 1 to Mar. 31).

IMPACT: None

FT LEWIS [TRAIN]

RESTR: No bivouac within 400 meters of nests (Dec. 1 - Aug. 31).

IMPACT: Approx. 124 acres around active nests not available for bivouacking.

FT LEWIS [TRAIN]

RESTR: Exclude demolition, live fire exercises, within 800 meters of active nests and roosts December 1 to August 31 (nests) and December 15 to March 31 (roosts).

IMPACT: Approx. 497 acres around active nests and roosts not available for live- fire exercises and demolition.

(HALIAEETUS LEUCOCEPHALUS Continued)**FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]**

RESTR: No low altitude overflight (rotary wing - 500 ft; fixed wing - 1000 ft.) during nesting season.

IMPACT: Within restricted area/season, units cannot conduct aviation training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No activity within 750 ft of nest during nesting season (Nov. - Apr.).

IMPACT: Within restricted area/season, units cannot train to doctrinal standards.

HOLSTON AAP [NONE OF THE ABOVE]

RESTR: No vehicles or personnel allowed within 1500 feet of the bald eagle nest.

IMPACT: Primary Nesting Zone (1500 ft. radius) established -- no access by personnel or vehicles permitted. Required the temporary closing of the Truck Classification Yard during the nesting season, which is used to determine status of explosives trailers. Explosives trailers were relocated to another site outside of the primary nesting zone. Secondary zone (2500 ft. radius) established -- all installation activities except major construction/disturbance activities can continue during nesting season.

SIERRA ARMY DEPOT [TEST]

RESTR: No testing or training at Honey Lake.

IMPACT: Not available for training.

SIERRA ARMY DEPOT [TRAIN]

RESTR: No testing or training at Honey Lake.

IMPACT: Not available for training.

TRUMAN TS [TRAIN]

RESTR: No fly zone within 1 mile radius of active nests located adjacent to training site.

IMPACT: None

YAKIMA TRAINING CENTER [TRAIN]

RESTR: Prohibit overflight of Bald Eagle roost and perch areas seasonally.

IMPACT: Flight routes on YTC are shifted during this time period. Flights can be conducted utilizing alternate routes.

YAKIMA TRAINING CENTER [TRAIN]

RESTR: Minimization of travel along Hanson Creek Road on YTC from 1500-0900 from late December to late March.

IMPACT: Vehicle movement is limited during this seasonal restriction. Mission can be accomplished utilizing alternate routes or shifting time of training.

HAPLOSTACHYS HAPLOSTACHYA**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

(Haplostachys Haplostachya Continued)**POHAKULOA TA [TRAIN]**

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TRAINING AREA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training

POHAKULOA TRAINING AREA [TRAIN]

RESTR: Area fenced and off limits to all training.

IMPACT: No training allowed.

HEDEOMA TODSENII**WHITE SANDS MISSILE RANGE [TEST]**

RESTR: No disturbance of site where this plant occurs.

IMPACT: None

HEDYOTIS CORIACEA**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

(HEDYOTIS CORIACEA Continued)**POHAKULOA TA [TRAIN]**

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

POHAKULOA TA [TRAIN]

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

HELIANTHUS EGGERTII**TULLAHOMA TS [TRAIN]**

RESTR: No vehicular movement within colony except on established roads.

IMPACT: Areas of colonies are off limits to all training.

TULLAHOMA TS [TRAIN]

RESTR: No foot traffic within the colony area.

IMPACT: Area of colonies are off limits to all training.

HYMENOXYS TEXANA**ADDICKS RESERVOIR [TRAIN]**

RESTR: This site is licensed from the USA Corps of Engineers (USACoE). USACoE is proponent for T&E management and handles all surveys and restrictions. Selected marked areas off limits to vehicles (areas delineated seasonally by USACoE).

IMPACT: Area varies. Seasonally delineated by USACoE Galveston district office.

ISOETES LOUISIANENSIS**CAMP SHELBY [TRAIN]**

RESTR: Species occurs in wetlands. These area are restricted for that reason. There is no additional restrictions to current training at this time.

IMPACT: None

LEPTONYCTERIS CURASOAE (=SANBORNI) YERBABUENAE**FT HUACHUCA [TRAIN]**

RESTR: Fire control.

IMPACT: Fire producing training cannot be conducted near dense agave stands, bat food source.

FT HUACHUCA [TRAIN]

RESTR: Agave.

IMPACT: Night training is restricted when bat is present. Agave stands cannot be disturbed.

LESPEDeza LEPTOSTACHYA**BADGER AAP [TRAIN]**

RESTR: All activity is prohibited in the 4 acre fenced site, area is now managed for prairie.

IMPACT: 4 acre area is off limits to training. No history of training use of the area exists.

LOXIOIDES BAILLEUI

POHAKULOA TA [TRAIN]

RESTR: Live fire is not permitted.

IMPACT: Units have to choose from other areas to fire from.

POHAKULOA TA [TRAIN]

RESTR: The total number of troops allowed to bivouac is limited to one battalion.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: No refueling operations.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: No food preparation.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: No vehicle maintenance.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: No more than 7 helicopters in the area at any given time.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: Aircraft restricted to 9,000 ft. and above.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: No open fires.

IMPACT: None

POHAKULOA TA [TRAIN]

RESTR: The total number of artillery pieces limited to one battalion.

IMPACT: None

LYCAEIDES MELISSA SAMUELIS

FT MCCOY [TRAIN]

RESTR: Vehicle refueling is not allowed within Karner blue butterfly habitat areas (i.e. lupine patches).

IMPACT: None

FT MCCOY [TRAIN]

RESTR: Tank ditching is not allowed within Karner blue butterfly habitat (i.e. lupine patches).

IMPACT: None

FT MCCOY [TRAIN]

RESTR: Smoke generation activities are not allowed within 100 meters of Karner blue butterfly habitat (i.e. lupine patches).

IMPACT: None

FT MCCOY [TRAIN]

RESTR: Vehicle decontamination is not allowed within Karner blue butterfly habitat areas (i.e. lupine patches).

IMPACT: None

(LYCAEIDES MELISSA SAMUELIS Continued)**FT MCCOY [TRAIN]**

RESTR: Water purification activities are not allowed within Karner blue butterfly habitat areas (i.e. lupine patches).

IMPACT: None

FT MCCOY [TRAIN]

RESTR: Bivouac, vehicle traffic and digging are not allowed within 11 established/signed Karner blue butterfly core areas that total 92 acres.

IMPACT: None

MARSHALLIA MOHRII**FT MCCLELLAN [TRAIN]**

RESTR: Avoid actions on 10 ac. site (dud impact area).

IMPACT: None

NICROPHORUS AMERICANUS**FT CHAFFEE [TRAIN]**

RESTR: No changes in habitat on a wide scale shall be done. Maximum of 4,000 acres of pine. No intensive mowing of large areas outside cantonment. No converting of native grass areas into cultivation or grazing. No impounding areas for ponds or greentree reservoirs.

IMPACT: None

FT CHAFFEE [TRAIN]

RESTR: Surveys for the ABB shall continue annually for ten years at the already established transect sites. Annual reports with this information shall be provided to the U.S. Fish and Wildlife Service.

IMPACT: None

FT CHAFFEE [TRAIN]

RESTR: Only approved pesticides and herbicides shall be used. Only approved pesticides and herbicides shall be used.

IMPACT: None

FT CHAFFEE [TRAIN]

RESTR: No electric insect killers shall be used on the garrison.

IMPACT: None

FT CHAFFEE [TRAIN]

RESTR: Any areas outside the cantonment area scheduled for construction involving over an acre of ground disturbance or the installation of permanent surfaces (gravel, asphalt, or concrete) shall be surveyed for ABB. All individuals collected shall be tagged and relocated the greatest distance possible to an unimproved area on the garrison.

IMPACT: Units may not construct hard surfaces during active period unless survey is completed. Otherwise no impact.

ONCORHYNCHUS CLARKI STOMIAS**FT CARSON [TRAIN]**

RESTR: Brood pond and 10 acres off limits to all training.

IMPACT: Very minor.

PICOIDES (=DENDROCOPOS) BOREALIS**CAMP BEAUREGARD [TRAIN]**

RESTR: No vehicular movement within 200 feet of a cavity tree except on established roads.

IMPACT: None

CAMP BLANDING TS [TRAIN]

RESTR: A 100m radius core protection zone exists around RCW clusters in which vehicles are restricted.

IMPACT: None

CAMP SHELBY [TRAIN]

RESTR: No vehicle activity within 200 feet of a den tree.

IMPACT: There are no active colonies on Camp Shelby. Very little impact.

FT BENNING [TRAIN]

RESTR: Military vehicles are prohibited from occupying a position or traversing within 50 feet of a marked cavity tree, unless on an existing road, trail, or firebreak.

IMPACT: Due to location of trees limiting area, battalion cannot train offensively but can train defensively.

FT BENNING [TRAIN]

RESTR: Units may not occupy positions within 20 feet of a cavity tree for more than 2 hours nor dig anything more than hasty fighting positions.

IMPACT: Due to location of trees limiting area, battalion cannot train offensively but can train defensively.

FT BENNING [TRAIN]

RESTR: Only digging for hasty individual firing positions, hand digging only and filled after use are allowed within 200 feet of a cavity tree.

IMPACT: Due to location of trees limiting area, battalion cannot train offensively but can train defensively.

FT BENNING [TRAIN]

RESTR: No HC smoke of any type.

IMPACT: None

FT BENNING [TRAIN]

RESTR: No incendiary devices, to include trip flares allowed within 200 feet of a cavity tree.

IMPACT: None

FT BENNING [TRAIN]

RESTR: No CS/riot agents allowed within 200 feet of a cavity tree.

IMPACT: None

FT BENNING [TRAIN]

RESTR: No generator within 200 feet of a cavity tree.

IMPACT: None

FT BENNING [TRAIN]

RESTR: Only 50 cal blank and smaller firing within 200 feet of a cavity tree.

IMPACT: None

FT BENNING [TRAIN]

RESTR: Military personnel are prohibited from cutting down or intentionally destroying pine trees unless the activity is approved previously by the installation biologist and/or forester and is authorized for tree removal.

IMPACT: None

(PICOIDES (=DENDROCOPOS) BOREALIS Continued)**FT GORDON [TRAIN]**

RESTR: Foot traffic by units within 200 feet of a cavity tree is permitted outside the nesting season. (1 March through 31 July).

IMPACT: None

FT GORDON [TRAIN]

RESTR: Use of smoke, simulators, blank ammunition, pyrotechnics or open burning within 200 feet of a cluster site is prohibited.

IMPACT: None

FT GORDON [TRAIN]

RESTR: Vehicular movement within 200 feet of a cavity tree except on established roads is prohibited.

IMPACT: No impact battalion level and below; some restrictions could occur with brigade size maneuver across country.

FT GORDON [TRAIN]

RESTR: Occupation of positions to include bivouacking, command post, logistical, signal, assembly, etc., within 200 feet of a cluster site is prohibited.

IMPACT: No impact battalion level and below; some restrictions could occur with brigade size maneuver across country.

FT JACKSON [TRAIN]

RESTR: See Army Guidelines for this species.

IMPACT: Minor impacts due to units having limited ability to train in clusters.

FT POLK [TRAIN]

RESTR: No vehicular movement within 50 feet of a cavity tree except on established roads. No bivouac, tactical position, or artillery firing point can occur within 200 feet of cavity tree. No communication wire strung from cavity tree. No fortifications or holes of any kind can be dug within 200 feet of cavity tree.

IMPACT: Any training with the exception of dismounted activities, ie foot traffic in colony site, is subject to restrictions and limitations.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No bivouac sites or rest areas within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No digging without permission within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No mounted or dismounted maneuver training within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No off-road tactical vehicle operation within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No resupply operations within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No use of simulators or pyrotechnics within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

(PICOIDES (=DENDROCOPOS) BOREALIS Continued)**FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]**

RESTR: No vehicle maintenance within 200 feet.

IMPACT: Current restrictions prohibit tactical training to doctrinal standards.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No damage to pine trees within 200 feet.

IMPACT: Forced selection of unnatural camouflage material may result in negative training.

FT STEWART & HUNTER ARMY AIRFIELD [TRAIN]

RESTR: No felling of trees within 800 meters without permission.

IMPACT: Requirement for additional coordination creates an administrative burden on commanders.

LEESBURG TS [TRAIN]

RESTR: The following activities are prohibited within RCW colony sites: Bivouacking, discharging of weapons, smoke grenades, or any incendiary device; warming, cooking, or other fires; construction of any type; attachment of training devices, hunting stands, or any damage to the trees in the colony area; placement of generators or positioning of guns; wheeled or tracked vehicle activity (except on designated roads or trails).

IMPACT: Avoid colony areas; do not perform prohibited activities in colony areas.

SUNNY POINT [TRAIN]

RESTR: Civilian security force must qualify with fire arms, but are limited to certain months and days, in which to fire. Any special training for new hires requires consultation with the FWS.

IMPACT: None

PORTULACA SCLEROCARPA**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

(PORTULACA SCLEROCARPA Continued)**POHAKULOA TA [TRAIN]**

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

PTILIMNIUM NODOSUM**LIL AARON STRAUS WILDERNESS AREA [TRAIN]**

RESTR: No movement through the 100' buffer zone on both sides of Sideling Hill Creek.

IMPACT: With decreased training funds and BRAC, LASWA could be used for more training, but the limits on maneuver area cut the training area in half, making it much less attractive for training opportunities.

SESBANIA TOMENTOSA VAR. ARBOREA**KANAIO LTA [TRAIN]**

RESTR: Training on Pu'u Pa (cinder cone where plant is located) is prohibited.

IMPACT: Infantry units cannot perform any type of training atop Puu Pimoe cinder cone where end. plant is located. Potential impacts include human trampling, cutting, accidental introduction of alien species and fire hazard.

KANAIO LTA [TRAIN]

RESTR: No smoking allowed.

IMPACT: Infantry units cannot smoke during scheduled training, due to fire hazard of dry area.

KANAIO LTA [TRAIN]

RESTR: Use of fire or signal flares is prohibited.

IMPACT: Infantry units cannot use flares or other pyrotechnics due to fire hazard of dry area.

KANAIO LTA [TRAIN]

RESTR: Inspection of gear/equipment/clothing for alien species seeds is recommended prior to scheduled training.

IMPACT: None

SILENE HAWAIIENSIS**POHAKULOA TA [TRAIN]**

RESTR: Environmental Assessment pending, in the mean time 2 firing lanes on a machine gun range remain unopened.

IMPACT: Not as many soldiers can train at the same time taking more time to qualify the units.

POHAKULOA TA [TRAIN]

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

(SILENE HAWAIIENSIS Continued)**POHAKULOA TA [TRAIN]**

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

POHAKULOA TA [TRAIN]

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

POHAKULOA TA [TRAIN]

RESTR: Area off limits to all training.

IMPACT: No training allowed.

SILENE LANCEOLATA**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

(SILENE LANCEOLATA Continued)**POHAKULOA TA [TRAIN]**

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

POHAKULOA TA [TRAIN]

RESTR: Area off limits to all training.

IMPACT: No training allowed.

SOLIDAGO HOUGHTONII**CAMP GRAYLING [TRAIN]**

RESTR: No military travel within occupied habitat.

IMPACT: Total of approximately 10 acres, most in wetlands that are restricted any way.

SPERMOPIS HAWAIIENSIS**POHAKULOA TA [TRAIN]**

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

SPEYERIA ZERENE HIPPOLYTA**CAMP RILEA [TRAIN]**

RESTR: No organized training of any kind is allowed within designated butterfly habitat areas.

IMPACT: With these habitat areas unavailable for training, other training areas must be used more intensively and frequently. High demand for training areas causes temporal delays for units in meeting their training requirements.

STENOZYNE ANGUSTIFOLIA**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: 3 fixed firing positions off limits to training.

IMPACT: Three less firing points to choose from for scheduling.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

(STENOGYNE ANGUSTIFOLIA Continued)**POHAKULOA TA [TRAIN]**

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

POHAKULOA TA [TRAIN]

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

POHAKULOA TA [TRAIN]

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

STRIX OCCIDENTALIS LUCIDA**CAMP NAVAJO MILITARY RESERVATION [TRAIN]**

RESTR: Units may not occupy positions within 600 acres of a protected activity center.

IMPACT: No impact - units can train to standard at other locations on the installations-most units using this area are NG conduct CTT at the individual and squad level - CS Eng units conduct road construction activities. Truck units conduct convoy activities.

FT HUACHUCA [TRAIN]

RESTR: Nesting and foraging.

IMPACT: These areas are off-limits.

TETRAMOLOPIUM ARENARIUM**POHAKULOA TA [TRAIN]**

RESTR: No fires or use of any type pyrotechnic or incendiary munitions.

IMPACT: Soldiers not allowed to use pyrotechnics or incendiary munitions due to high flammability of vegetation.

POHAKULOA TA [TRAIN]

RESTR: No digging in undisturbed areas.

IMPACT: No digging is allowed in non-disturbed areas due to high likelihood of endangered species in area and the slow rate of recovery of ground cover due to dry climate.

POHAKULOA TA [TRAIN]

RESTR: No off-road vehicle traffic.

IMPACT: No off-road vehicle traffic due to threat of impacting endangered species and the slow rate of recovery and likelihood of soil erosion.

POHAKULOA TA [TRAIN]

RESTR: No cutting or removing of vegetation in habitat.

IMPACT: No removal of vegetation due to threat of impacting endangered species and endangered species habitat.

(TETRAMOLOPIUM ARENARIUM Continued)**POHAKULOA TA [TRAIN]**

RESTR: Foot march is restricted in certain areas.

IMPACT: Soldiers not allowed to walk on rocky outcrops due to high risk of harming endangered species.

POHAKULOA TA [TRAIN]

RESTR: Access to area restricted with gates and area is off limits to all training activities.

IMPACT: Not available for training.

TRILLIUM RELIQUUM**FT BENNING [TRAIN]**

RESTR: No digging or vehicles allowed within boundary of sensitive area sign.

IMPACT: None

VIREO ATRICAPILLUS**ADDICKS RESERVOIR [TRAIN]**

RESTR: Approx 80 acres off limit during breeding season (April - August).

IMPACT: Approx 80 acres off limit during breeding season (April - August).

FT HOOD [TRAIN]

RESTR: Maneuver - No digging of battle/fighting/firing positions, use ONLY existing positions and improve above ground.

IMPACT: AR, INF, FA, CS, CSS, S&S, LOG, C2 can't train to standards.

FT HOOD [TRAIN]

RESTR: Ranges - No clearing of habitats that obscure targets/ target lines. Immediate fire equip/pers requirements.

IMPACT: AR, INF, FA, CS can't train to standards.

FT HOOD [TRAIN]

RESTR: No off trail driving. Park in open areas, only.

IMPACT: AR, INF, FA, ENG, C2, CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: No brush or tree cutting, camouflage, or road blockades.

IMPACT: AR, INF, FA, ENG, C2, CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: Two (2) hour limit for unit (regardless of size or event) to be in the habitat. Units can't travel through habitats more than two hrs per 24 hr day.

IMPACT: AR, INF, FA, ENG, C2, CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT HOOD [TRAIN]

RESTR: Units can't conduct any training in habitats. No use of smoke, chemical grenades/devices or conduct of Artillery live fire in or within 100 meters of habitats.

IMPACT: AR, INF, FA, ENG, C2, CS, CSS, S&S, LOG can't train to standards. No immediate action drills can be exercised.

FT SAM HOUSTON [TRAIN]

RESTR: High intensity training in habitat areas during the breeding season.

IMPACT: No high intensity training during the breeding season.

(VIREO ATRICAPILLUS Continued)**FT SILL [TRAIN]**

RESTR: No vehicular training within the nesting area.

IMPACT: Very little impact to training since the nesting area is in steep rocky terrain that is not used by vehicles.

VULPES MACROTIS MUTICA**CAMP ROBERTS [TEST]**

RESTR: Preactivity surveys must be conducted before any earth-moving activity.

IMPACT: Can experience short delays until a survey is completed. Can still test vehicles.

CAMP ROBERTS [TEST]

RESTR: All vehicle traffic is subject to a 25 mile per hour speed limit, except where otherwise posted.

IMPACT: Maneuvers/testing at high speeds cannot be conducted.

CAMP ROBERTS [TEST]

RESTR: All vehicle traffic is restricted to existing roads and trails except during tactical maneuvers or on construction or bivouac sites. Unauthorized off-road vehicle traffic is prohibited.

IMPACT: None

CAMP ROBERTS [TEST]

RESTR: All excavations deeper than 3 ft. shall be covered or filled at the end of each day, or shall include earthen or wooden escape ramps which shall remain in place until the excavation is permanently filled.

IMPACT: None

CAMP ROBERTS [TEST]

RESTR: All excavations will be thoroughly inspected for animals prior to back filling to avoid accidental burial.

IMPACT: None

CAMP ROBERTS [TEST]

RESTR: Any pipe, culvert, or similar material with an inside diameter of 4 in. or greater will be thoroughly inspected for animals prior to sealing, installation, burying or moving. If animals are found inside the construction materials, the material should not be used until the animal vacates the area. Pipelines temporarily left open in place will be covered or blocked until work is completed.

IMPACT: None

CAMP ROBERTS [TEST]

RESTR: Flagged or excluded den sites must be avoided.

IMPACT: Testing activities may have to be relocated to avoid impacting Kit Foxes. Can still conduct testing.

CAMP ROBERTS [TEST]

RESTR: Do not fire a weapon at or near a kit fox.

IMPACT: None

CAMP ROBERTS [TEST]

RESTR: Excavations which contain any amount, including trace quantities of hazardous material must be filled or covered at the end of each working day such that holes are no greater than 2x2 in. The placement of escape ramps in these structures cannot be used in lieu of covering.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: All vehicle traffic is subject to a 25 mile per hour speed limit, except where otherwise posted.

IMPACT: Maneuvers/testing at high speeds cannot be conducted.

(VULPES MACROTIS MUTICA Continued)**CAMP ROBERTS [TRAIN]**

RESTR: All excavations will be thoroughly inspected for animals prior to back filling to avoid accidental burial.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: Any pipe, culvert, or similar material with an inside diameter of 4 in. or greater will be thoroughly inspected for animals prior to sealing, installation, burying or moving. If animals are found inside the construction materials, the material should not be used until the animal vacates the area. Pipelines temporarily left open in place will be covered or blocked until work is completed.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: All excavations deeper than 3 ft. shall be covered or filled at the end of each day, or shall include earthen or wooden escape ramps which shall remain in place until the excavation is permanently filled.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: Flagged or excluded den sites must be avoided.

IMPACT: Unit may have to move activity to avoid impacts to Kit Fox. Usually can still train to standard.

CAMP ROBERTS [TRAIN]

RESTR: Do not fire a weapon at or near a kit fox.

IMPACT: Units must check range for presence of foxes before firing. Can still train to standard.

CAMP ROBERTS [TRAIN]

RESTR: All vehicle traffic is restricted to existing roads and trails except during tactical maneuvers or on construction or bivouac sites. Unauthorized off-road vehicle traffic is prohibited.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: Excavations which contain any amount, including trace quantities of hazardous material must be filled or covered at the end of each working day such that holes are no greater than 2x2 in. The placement of escape ramps in these structures cannot be used in lieu of covering.

IMPACT: None

CAMP ROBERTS [TRAIN]

RESTR: Preactivity surveys must be conducted before any earth-moving activity.

IMPACT: Units can experience short delays before training commences until survey is completed. Can still train to standard.

FT HUNTER LIGGETT [TEST]

RESTR: Mechanized excavation, live-fire, ground disturbing high explosives/demolitions, and use of rodenticides are prohibited within the kit fox mitigation area.

IMPACT: Units are unable to use the area for training.

FT HUNTER LIGGETT [TEST]

RESTR: Within training area 22 from Jan.1- Apr. 30, if a fox is present on the range, only non-live-fire activities will be conducted between 0400-0700 and between 1800-2100.

IMPACT: Can't train to doctrinal standards for tank tables during the winter.

(VULPES MACROTIS MUTICA Continued)**FT HUNTER LIGGETT [TEST]**

RESTR: Within training area 22 from Jan.1- Apr. 30, only light intensity training is allowed; no more than 5 days without a 1-day break.

IMPACT: Can't train to doctrinal standards for tank tables during the winter.

FT HUNTER LIGGETT [TEST]

RESTR: No live-fire, bivouac, mechanized excavation, or ground disturbing high explosives/demolitions within 125 ft. of an active kit fox den.

IMPACT: May lose targets/fps, may not be able to train to standard.

FT HUNTER LIGGETT [TEST]

RESTR: Mechanized excavation, live-fire, ground disturbing high explosives/demolitions, and use of rodenticides are prohibited within the kit fox mitigation area.

IMPACT: None

FT HUNTER LIGGETT [TEST]

RESTR: Within training area 22, live-fire is limited to the MPRC and B-9 ranges.

IMPACT: Live-fire exercises must be moved to another portion of the installation.

FT HUNTER LIGGETT [TRAIN]

RESTR: Mechanized excavation, live-fire, ground disturbing high explosives/demolitions, and use of rodenticides are prohibited within the kit fox mitigation area.

IMPACT: Units are unable to use the area for training.

FT HUNTER LIGGETT [TRAIN]

RESTR: Within training area 22 from Jan.1- Apr. 30, if a fox is present on the range, only non-live-fire activities will be conducted between 0400-0700 and between 1800-2100.

IMPACT: Can't train to doctrinal standards for tank tables during the winter.

FT HUNTER LIGGETT [TRAIN]

RESTR: Within training area 22 from Jan.1- Apr. 30, only light intensity training is allowed; no more than 5 days without a 1-day break.

IMPACT: Can't train to doctrinal standards for tank tables during the winter.

FT HUNTER LIGGETT [TRAIN]

RESTR: No live-fire, bivouac, mechanized excavation, or ground disturbing high explosives/demolitions within 125 ft. of an active kit fox den.

IMPACT: May lose targets/fps, may not be able to train to standard.

FT HUNTER LIGGETT [TRAIN]

RESTR: Mechanized excavation, live-fire, ground disturbing high explosives/demolitions, and use of rodenticides are prohibited within the kit fox mitigation area.

IMPACT: None

FT HUNTER LIGGETT [TRAIN]

RESTR: Within training area 22, live-fire is limited to the MPRC and B-9 ranges.

IMPACT: Live-fire exercises must be moved to another portion of the installation.

XYRIS TENNESSEENSIS

FT MCCLELLAN [TRAIN]

RESTR: Avoid actions on one acre sites.

IMPACT: None

ZANTHOXYLUM HAWAIIENSE

POHAKULOA TA [TRAIN]

RESTR: Large proportion of habitat is off-limits to all training due to pending decision on biological assessment.

IMPACT: Not available for training.

Appendix F-1: Listing of T&E Species for Which Expenditures were Allocated

Scientific Name	Common Name	Fed stat	Cat	Occur	Installation	MACOM	Total Cost
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	\$2,260
<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	Ft. Benning	TRADOC	\$800
<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	Makua Military Reservation	USARPAC	\$500
<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Cont.	Camp Crowder	NGB	\$10,000
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite Both	Ft. Hunter Liggett Camp Roberts	USARC NGB	\$7,500 \$50,000
<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite	Ft. Hunter Liggett	USARC	\$2,500
<i>Canis lupus</i>	Gray Wolf	E T	Mammal	Cont. Both	Ft. McCoy Camp Ripley	USARC NGB	\$775 \$20,000
<i>Chamaesyce deltoidea ssp. deltoidea</i>	Deltoid Spurge	E	Plant	Both	Martinez Reserve Center	USARC	\$42,000
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	Pom Annex	TRADOC	\$10,000
<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both	Ft. Riley	FORSCOM	\$3,000
<i>Chorizanthe pungens var. pungens</i>	Monterey Spineflower	T	Plant	Both	Pom Annex	TRADOC	\$16,001
<i>Cirsium fontinale var. obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	Camp San Luis Obispo	NGB	\$15,000
<i>Coryphantha sneedii var. sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	Ft. Bliss	TRADOC	\$40,000
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont. Cont.	Makua Military Reservation Schofield Barracks Military Reservation	USARPAC USARPAC	\$500 \$500
<i>Cyanea grimesiana ssp. obatae</i>	Haha Oha	E	Plant	Cont.	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Cyanea superba ssp. superba</i>	Oha	E	Plant	Onsite Onsite	Makua Military Reservation Schofield Barracks Military Reservation	USARPAC USARPAC	\$500 \$500
<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	Ft. McClellan	TRADOC	\$700
<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both Both	Ft. Sam Houston Ft. Hood	MEDCOM FORSCOM	\$35,000 \$464,000
<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	\$995

Scientific Name	Common Name	Fed stat	Cat	Occur	Installation	MACOM	Total Cost
<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Both	Makua Military Reservation	USARPAC	\$500
<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	Ft. Jackson	TRADOC	\$17,000
<i>Echinocactus horizonthalonius var. nicholii</i>	Nichol's Turk's Head Cactus	E	Plant	Onsite	Yuma Proving Ground	AMC	\$50,000
<i>Eugenia koolauensis</i>	Nioi	E	Plant	Cont. Onsite	Kawailoa TA Kahuku TA	USARPAC USARPAC	\$150 \$650
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Both	Pom Annex	TRADOC	\$57,000
<i>Falco femoralis</i>	Northern Aplomado	E	Bird	Cont.	Ft. Bliss	TRADOC	\$65,000
<i>septrionalis</i>	Falcon			Both	White Sands Missile Range	AMC	\$65,000
<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	Devens RFT.A	USARC	\$200
				Both	Sierra Army Depot	AMC	\$1,000
				Cont.	Camp Smith	NGB	\$2,000
				Both	Ft. Riley	FORSCOM	\$2,000
				Both	Stead TS	NGB	\$22,000
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both	Ft. Hunter Liggett	USARC	\$2,500
<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Both	Ft. Carson	FORSCOM	\$3,000
				Onsite	Makua Military Reservation	USARPAC	\$500
<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Sand Gilia	E	Plant	Both	Pom Annex	TRADOC	\$16,000
<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	Clark County TS	NGB	\$58,000
				Both	Ft. Irwin	FORSCOM	\$295,211
<i>Gopherus agassizii (Sonoran Population)</i>	Sonoran Population of the Desert Tortoise	T(S/A)	Reptile	Both	Yuma Proving Ground	AMC	\$1,000
<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Both	Camp Shelby	NGB	\$150,000
<i>Gymnogyps californianus</i>	California Condor	E	Bird	Cont.	Ft. Hunter Liggett	USARC	\$2,500
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	Ft. Carson	FORSCOM	\$100
				Both	Pinon Canyon	FORSCOM	\$100
				Both	Maneuver Site	USARC	\$200
				Both	Devens RFT.A	NGB	\$200
				Both	Skelton TS	NGB	\$1,000
				Both	Camp Murray	NGB	\$1,000
					Camp Navajo Military Reservation		
				Onsite	Camp Ripley	NGB	\$1,000
				Both	Sierra Army Depot	AMC	\$1,000
				Both	Ft. Lee	TRADOC	\$1,200
				Both	Ft. Benning	TRADOC	\$1,575
				Cont.	Camp Smith	NGB	\$2,000
				Both	Savanna Army Depot Activity	AMC	\$4,200
				Both	West Point	USMA	\$7,200
				Onsite	Adelphi Army Research Labs	AMC	\$10,000
				Both	Ft. Riley	FORSCOM	\$10,000

Scientific Name	Common Name	Fed stat	Cat	Occur	Installation	MACOM	Total Cost
				Both	Ft. Belvoir	MDW	\$14,000
				Both	Ft. Hunter Liggett	USARC	\$17,500
				Both	Yakima TC	FORSCOM	\$20,000
				Both	Stead TS	NGB	\$22,000
				Both	Ft. Stewart & Hunter Army Airfield	FORSCOM	\$77,864
				Both	Aberdeen Proving Ground	AMC	\$85,000
				Both	Ft. Bliss	TRADOC	\$85,000
<i>Haplostachys</i> <i>haplostachya</i>	No Common Name	E	Plant	Both	Pohakuloa TA	USARPAC	\$12,500
<i>Hedeoma todsenii</i>	Tòdsen's Pennyroyal	E	Plant	Both	White Sands Missile Range	AMC	\$1,000
<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	Ft. Lewis	FORSCOM	\$50,000
<i>Isoetes louisianensis</i>	Lousiana Quillwort	E	Plant	Both	Camp Shelby	NGB	\$20,000
<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	Both	Savanna Army Depot Activity	AMC	\$150
<i>Leptonycteris curasoe</i> <i>yerbabuena</i>	Lesser Long-nosed Bat	E	Mammal	Both	Ft. Huachuca	TRADOC	\$44,500
<i>Loxioides bailleui</i>	Palila	E	Bird	Both	Pohakuloa TA	USARPAC	\$57,000
<i>Lycaeides melissa</i> <i>samuelis</i>	Karner Blue Butterfly	E	Insect	Both	Ft. McCoy	USARC	\$87,668
<i>Lycopodium nutans</i>	Wawas' Iole	E	Plant	Cont.	Schofield Barracks Military Reservation	USARPAC	\$500
				Onsite	Kawailoa TA	USARPAC	\$900
<i>Lysimachia</i> <i>asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	Sunny Point	MTMC	\$4,000
				Onsite	Ft. Jackson	TRADOC	\$17,000
				Both	Ft. Bragg	FORSCOM	\$84,756
<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	Ft. McClellan	TRADOC	\$4,000
<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	Kawailoa TA	USARPAC	\$2,000
<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	Ft. Benning	TRADOC	\$325
<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Cont.	Indiana AAP	AMC	\$15,000
				Onsite	Ft. Knox	TRADOC	\$75,000
				Both	Ft. McClellan	TRADOC	\$88,300
<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.	Savanna Army Depot Activity	AMC	\$150
				Cont.	Macon TS	NGB	\$160
				Cont.	Indiana AAP	AMC	\$15,000
				Both	Ft. Knox	TRADOC	\$25,000
<i>Neonympha mitchellii</i> <i>francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite	Ft. Bragg	FORSCOM	\$39,891
<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	Makua Military Reservation	USARPAC	\$500
				Onsite	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	Makua Military Reservation	USARPAC	\$500
				Onsite	Schofield Barracks	USARPAC	\$500

Scientific Name	Common Name	Fed stat	Cat	Occur	Installation	MACOM	Total Cost
<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	Camp Gruber	NGB	\$35,000
				Both	Ft. Chaffee	TRADOC	\$50,000
<i>Oncorhynchus clarki stomias</i>	Greenback Cutthroat Trout	T	Fish	Onsite	Ft. Carson	FORSCOM	\$7,000
<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both	Redstone Arsenal	AMC	\$39,990
<i>Phylostegia parviflora</i> var. <i>parviflora</i>	No Common Name	E	Plant	Onsite	Kawailoa TA	USARPAC	\$900
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	Camp Shelby	NGB	\$1,000
				Cont.	Camp Beauregard	NGB	\$3,000
				Cont.	Ft. McClellan	TRADOC	\$5,000
				Onsite	Camp Blanding TS	NGB	\$30,000
				Onsite	Ft. Gordon	TRADOC	\$40,000
				Onsite	Ft. Jackson	TRADOC	\$265,680
				Both	Ft. Polk	FORSCOM	\$453,000
				Onsite	Ft. Stewart & Hunter Army Airfield	FORSCOM	\$836,890
				Both	Ft. Bragg	FORSCOM	\$1,184,963
				Onsite	Ft. Benning	TRADOC	\$2,860,000
<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	Kawailoa TA	USARPAC	\$500
				Onsite	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	Lil Aaron Straus Wilderness Area	NGB	\$10,000
<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Onsite	Ft. Pickett	USARC	\$13,000
				Both	Ft. Bragg	FORSCOM	\$84,756
<i>Sanicula maritima</i>	No Common Name	E	Plant	Both	Makua Military Reservation	USARPAC	\$900
<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	Ft. Bragg	FORSCOM	\$84,756
<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	Pohakuloa TA	USARPAC	\$12,500
<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	Pohakuloa TA	USARPAC	\$200
<i>Solanum sandwicense</i>	Popolo 'Aiakaekua	E	Plant	Cont.	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	Camp Grayling	NGB	\$600
<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	Makua Military Reservation	USARPAC	\$1
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite	Camp Rilea	NGB	\$10,000
<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Onsite	Ft. Carson	FORSCOM	\$200
				Cont.	Dugway Proving Ground	AMC	\$5,000
<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Cont.	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	Ft. Riley	FORSCOM	\$3,000
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	Camp Navajo Military Reservation	NGB	\$2,000
				Both	Ft. Carson	FORSCOM	\$44,000
				Both	Ft. Huachuca	TRADOC	\$115,000
<i>Tetramolopium filiforme</i> var. <i>polyphyllum</i>	No Common Name	E	Plant	Both	Makua Military Reservation	USARPAC	\$400

Scientific Name	Common Name	Fed stat	Cat	Occur	Installation	MACOM	Total Cost
<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	Ft. Benning	TRADOC	\$4,750
<i>Viola chamissoniana</i>	Pamakani	E	Plant	Onsite	Makua Military Reservation	USARPAC	\$500
<i>ssp chamissoniana</i>				Both	Schofield Barracks Military Reservation	USARPAC	\$500
<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	Ft. Sam Houston	MEDCOM	\$35,000
				Both	Camp Barkeley	NGB	\$40,000
				Both	Ft. Sill	TRADOC	\$40,000
				Both	Ft. Hood	FORSCOM	\$526,000
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite	Camp San Luis Obispo	NGB	\$120
				Both	Ft. Hunter Liggett	USARC	\$2,500
<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both	Ft. Hunter Liggett	USARC	\$82,500
				Both	Camp Roberts	NGB	\$124,000
<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both	Ft. McClellan	TRADOC	\$5,500

Appendix F-2: Listing of Installations with Expenditures Allocated for Each Species

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	Total Cost
Aberdeen Proving Ground	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$85,000
Adelphi Army Research Labs	AMC	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite	\$10,000
Camp Barkeley	NGB	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	\$40,000
Camp Beauregard	NGB	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	\$3,000
Camp Blanding TS	NGB	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	\$30,000
Camp Crowder	NGB	<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Cont.	\$10,000
Camp Grayling	NGB	<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	\$600
Camp Gruber	NGB	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	\$35,000
Camp Murray	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$1,000
Camp Navajo Military Reservation	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$1,000
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	\$2,000
Camp Rilea	NGB	<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite	\$10,000
Camp Ripley	NGB	<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both	\$20,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite	\$1,000
Camp Roberts	NGB	<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Both	\$50,000
		<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both	\$124,000
Camp San Luis Obispo	NGB	<i>Cirsium fontinale var. obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	\$15,000
		<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite	\$120
Camp Shelby	NGB	<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Both	\$150,000
		<i>Isoetes louisianensis</i>	Louisiana Quillwort	E	Plant	Both	\$20,000
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	\$1,000
Camp Smith	NGB	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Cont.	\$2,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Cont.	\$2,000
Clark County TS	NGB	<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	\$58,000
Devens RFT.A	USARC	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	\$200
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$200
Dugway Proving Ground	AMC	<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Cont.	\$5,000
Ft. Belvoir	MDW	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$14,000

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	Total Cost
Ft. Benning	TRADOC	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	\$800
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$1,575
		<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	\$325
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	\$2,860,000
		<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	\$4,750
Ft. Bliss	TRADOC	<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	\$40,000
		<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Cont.	\$65,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$85,000
Ft. Bragg	FORSCOM	<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	\$84,756
		<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite	\$39,891
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both	\$1,184,963
		<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both	\$84,756
		<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	\$84,756
Ft. Carson	FORSCOM	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both	\$3,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$100
		<i>Oncorhynchus clarki stomias</i>	Greenback Cutthroat Trout	T	Fish	Onsite	\$7,000
		<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Onsite	\$200
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	\$44,000
Ft. Chaffee	TRADOC	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	\$50,000
Ft. Gordon	TRADOC	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	\$40,000
Ft. Hood	FORSCOM	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	\$464,000
		<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	\$52,600
Ft. Huachuca	TRADOC	<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-nosed Bat	E	Mammal	Both	\$44,500
		<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	\$115,000
Ft. Hunter Liggett	USARC	<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite	\$7,500
		<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite	\$2,500
		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both	\$2,500
		<i>Gymnogyps californianus</i>	California Condor	E	Bird	Cont.	\$2,500
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$17,500
		<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Both	\$2,500
		<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both	\$82,500
Ft. Irwin	FORSCOM	<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	\$295,211

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	Total Cost
Ft. Jackson	TRADOC	<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	\$17,000
		<i>Lysimachia</i>	Rough-leaved Loosestrife	E	Plant	Onsite	\$17,000
		<i>asperulaefolia</i>					
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	\$265,680
Ft. Knox	TRADOC	<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Onsite	\$75,000
		<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Both	\$25,000
Ft. Lee	TRADOC	<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	\$1,200
		<i>leucocephalus</i>					
Ft. Lewis	FORSCOM	<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	\$50,000
Ft. McClellan	TRADOC	<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	\$700
		<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	\$4,000
		<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	\$88,300
		<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Cont.	\$5,000
		<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both	\$5,500
Ft. McCoy	USARC	<i>Canis lupus</i>	Gray Wolf	E	Mammal	Cont.	\$775
		<i>Lycaeides melissa</i>	Karner Blue Butterfly	E	Insect	Both	\$87,668
		<i>samuelis</i>					
Ft. Pickett	USARC	<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Onsite	\$13,000
Ft. Polk	FORSCOM	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both	\$453,000
Ft. Riley	FORSCOM	<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both	\$3,000
		<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	\$2,000
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	\$10,000
		<i>leucocephalus</i>					
		<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	\$3,000
Ft. Sam Houston	MEDCOM	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	\$35,000
		<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	\$35,000
Ft. Sill	TRADOC	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	\$40,000
Ft. Stewart & Hunter Army Airfield	FORSCOM	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Both	\$2,260
		<i>Drymarchon corais</i>	Eastern Indigo Snake	T	Reptile	Both	\$995
		<i>couperi</i>					
		<i>Haliaeetus</i>	Bald Eagle	T	Bird	Both	\$77,864
		<i>leucocephalus</i>					
Indiana AAP	AMC	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite	\$836,890
		<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Cont.	\$15,000
		<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.	\$15,000
Kahuku TA	USARPAC	<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite	\$650
Kawailoa TA	USARPAC	<i>Eugenia koolauensis</i>	Nioi	E	Plant	Cont.	\$150
		<i>Lycopodium nutans</i>	Wawae' Iole	E	Plant	Onsite	\$900
		<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	\$2,000
		<i>Phylostegia parviflora</i>	No Common Name	E	Plant	Onsite	\$900
		<i>var. parviflora</i>					
		<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	\$500
Lil Aaron Straus Wilderness Area	NGB	<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	\$10,000
Macon TS	NGB	<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.	\$160

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	Total Cost
Makua Military Reservation	USARPAC	<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	\$500
		<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.	\$500
		<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite	\$500
		<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Both	\$500
		<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite	\$500
		<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	\$500
		<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	\$500
		<i>Sanicula marivera</i>	No Common Name	E	Plant	Both	\$900
		<i>Spermolepis</i> <i>hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	\$1
		<i>Tetramolopium filiforme</i> var. <i>polyphyllum</i>	No Common Name	E	Plant	Both	\$400
		<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Onsite	\$500
Martinez Reserve Center	USARC	<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	Deltoid Spurge	E	Plant	Both	\$42,000
Pinon Canyon Maneuver Site	FORSCOM	<i>Haliaeetus</i> <i>leucocephalus</i>	Bald Eagle	T	Bird	Both	\$100
Pohakuloa TA	USARPAC	<i>Haplostachys</i> <i>haplostachya</i>	No Common Name	E	Plant	Both	\$12,500
		<i>Loxioides bailleui</i>	Palila	E	Bird	Both	\$57,000
		<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	\$12,500
		<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	\$200
Pom Annex	TRADOC	<i>Charadrius</i> <i>alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	\$10,000
		<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey Spineflower	T	Plant	Both	\$16,001
		<i>Euphilotes enoptes</i> <i>smithi</i>	Smith's Blue Butterfly	E	Insect	Both	\$57,000
		<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	Monterey Sand Gilia	E	Plant	Both	\$16,000
Redstone Arsenal	AMC	<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both	\$39,990
Savanna Army Depot Activity	AMC	<i>Haliaeetus</i> <i>leucocephalus</i>	Bald Eagle	T	Bird	Both	\$4,200
		<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	Both	\$150
		<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Cont.	\$150

Installation	MACOM	Scientific Name	Common Name	Fed stat	Cat	Occur	Total Cost
Schofield Barracks Military Reservation	USARPAC	<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Cont.	\$500
		<i>Cyanea grimesiana ssp. obatae</i>	Haha Oha	E	Plant	Cont.	\$500
		<i>Cyanea superba ssp. superba</i>	Oha	E	Plant	Onsite	\$500
		<i>Lycopodium nutans</i>	Wawae`Iole	E	Plant	Cont.	\$500
		<i>Neraudia angulata var. angulata</i>	Ma'aloa	E	Plant	Onsite	\$500
		<i>Neraudia angulata var. dentata</i>	Ma'aloa	E	Plant	Onsite	\$500
		<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	\$500
		<i>Solanum sandwicense</i>	Popolo `Aiakeakua	E	Plant	Cont.	\$500
		<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Cont.	\$500
		<i>Viola chamissoniana ssp. chamissoniana</i>	Pamakani	E	Plant	Both	\$500
Sierra Army Depot	AMC	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	\$1,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$1,000
Skelton TS	NGB	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$200
Stead TS	NGB	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both	\$22,000
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$22,000
Sunny Point	MTMC	<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	\$4,000
West Point	USMA	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$7,200
White Sands Missile Range	AMC	<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Both	\$65,000
		<i>Hedeoma todsenii</i>	Todsen's Pennyroyal	E	Plant	Both	\$1,000
Yakima TC	FORSCOM	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	\$20,000
Yuma Proving Ground	AMC	<i>Echinocactus horizontalonius var. nicholii</i>	Nichol's Turk's Head Cactus	E	Plant	Onsite	\$50,000
		<i>Gopherus agassizii</i> (Sonoran Population)	Sonoran Population of the Desert Tortoise	T(S/A)	Reptile	Both	\$1,000

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